

SEQUENCE LISTING

<110> Farid, Hossain A.
Otieno, Charles J.
Benkel, Bernhard F.

<120> Insulin-Like Growth Factor-1 Receptor (IGF-1R) Polymorphic Alleles and Use of the Same to Identify DNA Markers for Reproductive Longevity

<130> P05562US00

<140> US

<141> 2003-09-15

<160> 22

<170> PatentIn version 3.2

<210> 1

<211> 4500

<212> DNA

<213> Mus musculus

<400> 1

atgaagtctg gctccggagg aggggtccccg acctcgctgt gggggctcgt gtttctctcc	60
gccgcgctct ctctctggcc gacgagtga gaaatctgtg ggcccggcat tgacatccgc	120
aacgactatc agcagctgaa gcgcctggaa aactgcacgg tgatcgaggg ctctctccac	180
atcctgctca tctccaaggc cgaggactac cgaagctacc gcttcccaa gctcaccgtc	240
atcactgagt acttgctgct ctcccgagtc gctggcctcg agagcctggg agacctcttc	300
cccaacctca cagtcatccg tggctggaaa ctcttctaca actacgcact ggtcatcttc	360
gagatgacca atctcaagga tattgggctt tataatctga ggaacattac tcggggggcc	420
atcaggattg agaagaacgc cgacctctgt tacctctcca ccatagactg gtctctcatc	480
ttggatgcgg tgtccaataa ctacattgtg gggaacaagc cccgaagga atgtggggac	540
ctgtgtccag ggacattgga ggagaagccc atgtgtgaga agaccaccat caacaatgag	600
tacaactacc gctgctggac cacaaatcgc tgccagaaaa tgtgcccaag tgtgtgctgg	660
aagcgagcct gcaccgagaa caacgagtgc tgccaccgag agtgctctgg cagctgccac	720
acaccggacg acaacacaa ctgcgtggcc tgacagacact actactacaa aggcgtgtgt	780
gtgcctgcct gccgcctgg cacctacagg ttcgagggct ggcgctgtgt ggatcgcgat	840
ttctgcgcca acatcccaa cgctgagagc agtgactcgg atggcttcgt tatccacgac	900
gatgagtga tgcaggagtg tccctcaggc ttcattccga acagacacca gagcatgtac	960

tgtatccct	gcgaaggccc	ctgccccaaa	gtctgcggcg	atgaagagaa	gaaaacgaaa	1020
accatcgatt	cggtgacttc	tgctcaaattg	ctccaaggat	gcaccatcct	gaagggcaat	1080
ctgcttatta	acatccggag	aggcaataac	attgcctcgg	agttggagaa	cttcatgggg	1140
ctcatcgagg	tggtgaccgg	ctacgtgaag	atccgccatt	ctcatgcctt	ggtctccttg	1200
tccttcctga	agaaccttcg	tctcatctta	ggagaggagc	agctggaagg	gaactactcc	1260
ttctatgtcc	tagacaacca	gaacttgacg	cagctgtggg	actggaacca	ccggaacctg	1320
accgtcaggt	ccggaaagat	gtactttgct	ttcaatccca	agctgtgtgt	ctccgaaatt	1380
taccgcatgg	aggaagtgc	cggaaccaag	ggacgccaga	gcaaagggga	cataaacacc	1440
aggaacaacg	gagagcgagc	ttcctgtgaa	agtgatgttc	tccgtttcac	ctccaccacg	1500
acctggaaga	accgaatcat	cataacgtgg	caccgggtacc	ggccgccgga	ctaccgggat	1560
ctcatcagct	tcacagttta	ctacaaggag	gcaccattta	aaaacgttac	ggaatatgac	1620
gggcaggatg	cctgtggctc	caacagctgg	aacatgggtg	atgtagacct	gcctccgaac	1680
aaggagggcg	agcctggcat	tttactgcat	gggctgaagc	cctggacca	gtatgctgtc	1740
tatgtcaagg	ctgtgacctt	caccatgggtg	gaaaacgacc	atatccgtgg	ggccaaaagt	1800
gaaatcttgt	acattcgac	caatgcttca	gtcccttcca	ttcccctaga	tgtcctctca	1860
gcatcaaact	cttctctca	gctgattgtg	aagtggaatc	ctccaactct	gccaatgggt	1920
aacttgagtt	actacattgt	gaggtggcag	cggcagcccc	aggatgggtta	cctgtaccgg	1980
cacaactact	gtcccaaaga	caaaataccc	atcagaaagt	acgccgatgg	taccatcgac	2040
gtggaggagg	tgacggaaaa	tcccaagaca	gaagtgtgtg	gtggtgataa	agggccatgc	2100
tgcgcttgcc	ctaaaactga	agctgagaag	caggctgaga	aggaggaggc	tgagtaccgt	2160
aaagtctttg	agaatttctt	tcacaattcc	atctttgtgc	ccaggcccga	aaggaggcgg	2220
agagacgtca	tgcaagtggc	caacacgacc	atgtccagcc	gaagcaggaa	caccacggta	2280
gctgacacct	acaatatcac	agaccgggag	gagttcgaga	cagagtacc	tttctttgag	2340
agcagagtgg	ataacaagga	gaggactgtc	atctccaacc	tccggccttt	cactctgtac	2400
cgcacgata	tccacagctg	caaccacgag	gctgagaagc	tggtgtgcag	cgctccaac	2460
ttcgtctttg	cgagaacctat	gccagcagaa	ggagcagatg	atatccctgg	tccggtgacc	2520
tggtgaccaa	gacccgaaaa	ctccatcttt	ttaaagtggc	cagaaccgga	gaaccccaac	2580
ggattgatcc	taatgtatga	aattaaatac	gggtcgcaag	tcgaggatca	gcgggaatgt	2640
gtgtccagac	aggagtacag	gaagtacgga	ggggccaaac	tcaaccgtct	aaaccaggg	2700

aactatacag	cccggattca	ggctacctcc	ctctctggga	atgggtcatg	gacagatcct	2760
gtgttcttct	atgtccccgc	caaaacgacg	tatgagaact	tcatgcatct	gatcattgct	2820
ctgccggttg	ccatcctgct	gatcgttggg	gggctgggta	tcatgctgta	tgtcttccat	2880
agaaagagaa	ataacagcag	gttgggcaat	ggagtgctgt	atgcttctgt	gaacccccgag	2940
tatttcagcg	cagctgatgt	gtacgtgcct	gatgaatggg	aggtagctcg	agagaagatc	3000
accatgaacc	gggagctcgg	acaagggtcc	tttgggatgg	tctatgaagg	agtggccaag	3060
ggtgtggtca	aggatgaacc	cgaaccaga	gtggccatca	agacggtaaa	cgaggctgca	3120
agtatgcgtg	aaagaatcga	gtttctcaac	gaggcctcgg	tgatgaagga	gttcaattgt	3180
caccatgtgg	tccggttgct	gggtgtggta	tcccaaggcc	agcccaccct	ggcatcatg	3240
gaactaatga	cacgcggtga	tctcaaaagt	tatctccggg	ctctgaggcc	agaagtggag	3300
cagaataatc	tagtcctcat	tcctccgagc	ttaagcaaga	tgatccagat	ggctggagag	3360
attgcagatg	gcatggccta	cctcaatgcc	aacaagtctg	tccacagaga	ccttgctgct	3420
aggaactgca	tggtagccga	agatttcaca	gtcaaaattg	gagatttcgg	tatgacacga	3480
gacatctacg	agacggacta	ctaccggaaa	ggcgggaagg	gtttgctgcc	tgtgcgctgg	3540
atgtctcccg	agtcctctca	ggatggtgtc	ttcactactc	attctgatgt	ctggtccttc	3600
ggggtcgtcc	tctgggagat	cgccacgctg	gctgagcagc	cctaccaggg	cttgtccaac	3660
gagcaagttc	ttcgtttcgt	catggagggt	ggccttctgg	acaagccgga	caactgcctt	3720
gatatgctgt	ttgaacttat	gcgcatgtgc	tggcagtata	acccaagat	gcggccctcc	3780
ttcctggaga	tcacggcag	catcaaggat	gagatggagc	ccagcttcca	ggaggtctcc	3840
ttctactaca	gcgaggagaa	caagcctccc	gagccagagg	agctggagat	ggagctggag	3900
atggagcctg	agaacatgga	gagcgtccca	ctggaccctt	cggcctcctc	agcctccctg	3960
cctctgctg	aaagacactc	aggacacaag	gctgagaatg	gcccggggcc	tggcgtgctc	4020
gttctccgcg	ccagttttga	tgagagacag	ccttacgctc	acatgaacgg	gggacgcgcc	4080
aacgagaggg	ccttgccctt	gccccagtcc	tcgacctgct	gatcctcgga	cacaccgaag	4140
cacgcgccaa	cagtaacgtg	tgtgccccac	tcggtgggcg	ggggggcggg	gaggggagag	4200
caggttgtaa	caatctattc	acaagcctcc	tgtacctcag	tggatcttca	gacctgccat	4260
tgctgcccac	gggagacggc	ttctctgcag	taaacacatt	tgggaccttc	cttttttcaa	4320
tatgcaagca	gctttttatt	tcctttaccc	gaacccttaa	ctgacatggg	cctctgcaaa	4380

ccttaatgac aacacttaat agcaacagga cactcgagaa ttgagtctct tcgttctctg 4440

cctttttctc tcctctgcct tccctctctg ccctctcccc ttccacttcc acgctctcct 4500

<210> 2

<211> 1373

<212> PRT

<213> Mus musculus

<400> 2

Met Lys Ser Gly Ser Gly Gly Gly Ser Pro Thr Ser Leu Trp Gly Leu
1 5 10 15

Val Phe Leu Ser Ala Ala Leu Ser Leu Trp Pro Thr Ser Gly Glu Ile
20 25 30

Cys Gly Pro Gly Ile Asp Ile Arg Asn Asp Tyr Gln Gln Leu Lys Arg
35 40 45

Leu Glu Asn Cys Thr Val Ile Glu Gly Phe Leu His Ile Leu Leu Ile
50 55 60

Ser Lys Ala Glu Asp Tyr Arg Ser Tyr Arg Phe Pro Lys Leu Thr Val
65 70 75 80

Ile Thr Glu Tyr Leu Leu Leu Phe Arg Val Ala Gly Leu Glu Ser Leu
85 90 95

Gly Asp Leu Phe Pro Asn Leu Thr Val Ile Arg Gly Trp Lys Leu Phe
100 105 110

Tyr Asn Tyr Ala Leu Val Ile Phe Glu Met Thr Asn Leu Lys Asp Ile
115 120 125

Gly Leu Tyr Asn Leu Arg Asn Ile Thr Arg Gly Ala Ile Arg Ile Glu
130 135 140

Lys Asn Ala Asp Leu Cys Tyr Leu Ser Thr Ile Asp Trp Ser Leu Ile
145 150 155 160

Leu Asp Ala Val Ser Asn Asn Tyr Ile Val Gly Asn Lys Pro Pro Lys
165 170 175

Glu Cys Gly Asp Leu Cys Pro Gly Thr Leu Glu Glu Lys Pro Met Cys

180	185	190
Glu Lys Thr Thr Ile Asn Asn Glu Tyr Asn Tyr Arg Cys Trp Thr Thr 195 200 205		
Asn Arg Cys Gln Lys Met Cys Pro Ser Val Cys Gly Lys Arg Ala Cys 210 215 220		
Thr Glu Asn Asn Glu Cys Cys His Pro Glu Cys Leu Gly Ser Cys His 225 230 235 240		
Thr Pro Asp Asp Asn Thr Thr Cys Val Ala Cys Arg His Tyr Tyr Tyr 245 250 255		
Lys Gly Val Cys Val Pro Ala Cys Pro Pro Gly Thr Tyr Arg Phe Glu 260 265 270		
Gly Trp Arg Cys Val Asp Arg Asp Phe Cys Ala Asn Ile Pro Asn Ala 275 280 285		
Glu Ser Ser Asp Ser Asp Gly Phe Val Ile His Asp Asp Glu Cys Met 290 295 300		
Gln Glu Cys Pro Ser Gly Phe Ile Arg Asn Ser Thr Gln Ser Met Tyr 305 310 315 320		
Cys Ile Pro Cys Glu Gly Pro Cys Pro Lys Val Cys Gly Asp Glu Glu 325 330 335		
Lys Lys Thr Lys Thr Ile Asp Ser Val Thr Ser Ala Gln Met Leu Gln 340 345 350		
Gly Cys Thr Ile Leu Lys Gly Asn Leu Leu Ile Asn Ile Arg Arg Gly 355 360 365		
Asn Asn Ile Ala Ser Glu Leu Glu Asn Phe Met Gly Leu Ile Glu Val 370 375 380		
Val Thr Gly Tyr Val Lys Ile Arg His Ser His Ala Leu Val Ser Leu 385 390 395 400		
Ser Phe Leu Lys Asn Leu Arg Leu Ile Leu Gly Glu Glu Gln Leu Glu 405 410 415		

Gly Asn Tyr Ser Phe Tyr Val Leu Asp Asn Gln Asn Leu Gln Gln Leu
 420 425 430

Trp Asp Trp Asn His Arg Asn Leu Thr Val Arg Ser Gly Lys Met Tyr
 435 440 445

Phe Ala Phe Asn Pro Lys Leu Cys Val Ser Glu Ile Tyr Arg Met Glu
 450 455 460

Glu Val Thr Gly Thr Lys Gly Arg Gln Ser Lys Gly Asp Ile Asn Thr
 465 470 475 480

Arg Asn Asn Gly Glu Arg Ala Ser Cys Glu Ser Asp Val Leu Arg Phe
 485 490 495

Thr Ser Thr Thr Thr Trp Lys Asn Arg Ile Ile Ile Thr Trp His Arg
 500 505 510

Tyr Arg Pro Pro Asp Tyr Arg Asp Leu Ile Ser Phe Thr Val Tyr Tyr
 515 520 525

Lys Glu Ala Pro Phe Lys Asn Val Thr Glu Tyr Asp Gly Gln Asp Ala
 530 535 540

Cys Gly Ser Asn Ser Trp Asn Met Val Asp Val Asp Leu Pro Pro Asn
 545 550 555 560

Lys Glu Gly Glu Pro Gly Ile Leu Leu His Gly Leu Lys Pro Trp Thr
 565 570 575

Gln Tyr Ala Val Tyr Val Lys Ala Val Thr Leu Thr Met Val Glu Asn
 580 585 590

Asp His Ile Arg Gly Ala Lys Ser Glu Ile Leu Tyr Ile Arg Thr Asn
 595 600 605

Ala Ser Val Pro Ser Ile Pro Leu Asp Val Leu Ser Ala Ser Asn Ser
 610 615 620

Ser Ser Gln Leu Ile Val Lys Trp Asn Pro Pro Thr Leu Pro Asn Gly
 625 630 635 640

Asn Leu Ser Tyr Tyr Ile Val Arg Trp Gln Arg Gln Pro Gln Asp Gly
645 650 655

Tyr Leu Tyr Arg His Asn Tyr Cys Ser Lys Asp Lys Ile Pro Ile Arg
660 665 670

Lys Tyr Ala Asp Gly Thr Ile Asp Val Glu Glu Val Thr Glu Asn Pro
675 680 685

Lys Thr Glu Val Cys Gly Gly Asp Lys Gly Pro Cys Cys Ala Cys Pro
690 695 700

Lys Thr Glu Ala Glu Lys Gln Ala Glu Lys Glu Glu Ala Glu Tyr Arg
705 710 715 720

Lys Val Phe Glu Asn Phe Leu His Asn Ser Ile Phe Val Pro Arg Pro
725 730 735

Glu Arg Arg Arg Arg Asp Val Met Gln Val Ala Asn Thr Thr Met Ser
740 745 750

Ser Arg Ser Arg Asn Thr Thr Val Ala Asp Thr Tyr Asn Ile Thr Asp
755 760 765

Pro Glu Glu Phe Glu Thr Glu Tyr Pro Phe Phe Glu Ser Arg Val Asp
770 775 780

Asn Lys Glu Arg Thr Val Ile Ser Asn Leu Arg Pro Phe Thr Leu Tyr
785 790 795 800

Arg Ile Asp Ile His Ser Cys Asn His Glu Ala Glu Lys Leu Gly Cys
805 810 815

Ser Ala Ser Asn Phe Val Phe Ala Arg Thr Met Pro Ala Glu Gly Ala
820 825 830

Asp Asp Ile Pro Gly Pro Val Thr Trp Glu Pro Arg Pro Glu Asn Ser
835 840 845

Ile Phe Leu Lys Trp Pro Glu Pro Glu Asn Pro Asn Gly Leu Ile Leu
850 855 860

Met Tyr Glu Ile Lys Tyr Gly Ser Gln Val Glu Asp Gln Arg Glu Cys
 865 870 875 880

Val Ser Arg Gln Glu Tyr Arg Lys Tyr Gly Gly Ala Lys Leu Asn Arg
 885 890 895

Leu Asn Pro Gly Asn Tyr Thr Ala Arg Ile Gln Ala Thr Ser Leu Ser
 900 905 910

Gly Asn Gly Ser Trp Thr Asp Pro Val Phe Phe Tyr Val Pro Ala Lys
 915 920 925

Thr Thr Tyr Glu Asn Phe Met His Leu Ile Ile Ala Leu Pro Val Ala
 930 935 940

Ile Leu Leu Ile Val Gly Gly Leu Val Ile Met Leu Tyr Val Phe His
 945 950 955 960

Arg Lys Arg Asn Asn Ser Arg Leu Gly Asn Gly Val Leu Tyr Ala Ser
 965 970 975

Val Asn Pro Glu Tyr Phe Ser Ala Ala Asp Val Tyr Val Pro Asp Glu
 980 985 990

Trp Glu Val Ala Arg Glu Lys Ile Thr Met Asn Arg Glu Leu Gly Gln
 995 1000 1005

Gly Ser Phe Gly Met Val Tyr Glu Gly Val Ala Lys Gly Val Val
 1010 1015 1020

Lys Asp Glu Pro Glu Thr Arg Val Ala Ile Lys Thr Val Asn Glu
 1025 1030 1035

Ala Ala Ser Met Arg Glu Arg Ile Glu Phe Leu Asn Glu Ala Ser
 1040 1045 1050

Val Met Lys Glu Phe Asn Cys His His Val Val Arg Leu Leu Gly
 1055 1060 1065

Val Val Ser Gln Gly Gln Pro Thr Leu Val Ile Met Glu Leu Met
 1070 1075 1080

Thr Arg Gly Asp Leu Lys Ser Tyr Leu Arg Ser Leu Arg Pro Glu

1085		1090		1095
Val Glu Gln Asn Asn Leu Val	Leu Ile Pro Pro Ser	Leu Ser Lys		
1100	1105	1110		
Met Ile Gln Met Ala Gly Glu	Ile Ala Asp Gly Met	Ala Tyr Leu		
1115	1120	1125		
Asn Ala Asn Lys Phe Val His	Arg Asp Leu Ala Ala	Arg Asn Cys		
1130	1135	1140		
Met Val Ala Glu Asp Phe Thr	Val Lys Ile Gly Asp	Phe Gly Met		
1145	1150	1155		
Thr Arg Asp Ile Tyr Glu Thr	Asp Tyr Tyr Arg Lys	Gly Gly Lys		
1160	1165	1170		
Gly Leu Leu Pro Val Arg Trp	Met Ser Pro Glu Ser	Leu Lys Asp		
1175	1180	1185		
Gly Val Phe Thr Thr His Ser	Asp Val Trp Ser Phe	Gly Val Val		
1190	1195	1200		
Leu Trp Glu Ile Ala Thr Leu	Ala Glu Gln Pro Tyr	Gln Gly Leu		
1205	1210	1215		
Ser Asn Glu Gln Val Leu Arg	Phe Val Met Glu Gly	Gly Leu Leu		
1220	1225	1230		
Asp Lys Pro Asp Asn Cys Pro	Asp Met Leu Phe Glu	Leu Met Arg		
1235	1240	1245		
Met Cys Trp Gln Tyr Asn Pro	Lys Met Arg Pro Ser	Phe Leu Glu		
1250	1255	1260		
Ile Ile Gly Ser Ile Lys Asp	Glu Met Glu Pro Ser	Phe Gln Glu		
1265	1270	1275		
Val Ser Phe Tyr Tyr Ser Glu	Glu Asn Lys Pro Pro	Glu Pro Glu		
1280	1285	1290		
Glu Leu Glu Met Glu Leu Glu	Met Glu Pro Glu Asn	Met Glu Ser		
1295	1300	1305		

Val Pro Leu Asp Pro Ser Ala Ser Ser Ala Ser Leu Pro Leu Pro
 1310 1315 1320

Glu Arg His Ser Gly His Lys Ala Glu Asn Gly Pro Gly Pro Gly
 1325 1330 1335

Val Leu Val Leu Arg Ala Ser Phe Asp Glu Arg Gln Pro Tyr Ala
 1340 1345 1350

His Met Asn Gly Gly Arg Ala Asn Glu Arg Ala Leu Pro Leu Pro
 1355 1360 1365

Gln Ser Ser Thr Cys
 1370

<210> 3
 <211> 4973
 <212> DNA
 <213> Mus musculus

<400> 3
 gctcattcat ttccactccg cattttctgcc cctcgccggc ctgcccgcg cccgggactt 60
 cggaccagtc tcgccaactg cgtcgcgctc tcccgcgcg taggctccg tggtcggttc 120
 ctccggggat cgggtggcgt ttgtcctcgc ctgcggcgat ttgggctttg ctctcttttc 180
 tgtacagttt tctcctttct tctgcatctc tgcgtttgca aatggaggcc gacgacgcc 240
 acagcccgcc ccggcgcgcc ccggcttccc gactccgcc ccccgtagggc cgtgctgcc 300
 ggcgctgagg ggccgccccg cgccaccctc cttgtccacg ccgctttccg aggatcgtcg 360
 cctgcgctct tgtttttggg cgagagtgag gactgagttg gagacttttt ttttcttttt 420
 ttctttttctt tttttttttt ttttctattt ttgagaaaag ggaatttcgt cccaaataaa 480
 aggaatgaag tctggctccg gaggagggtc cccgacctcg ctgtgggggc tcgtgtttct 540
 ctccgcgcg ctctctctct ggccgacgag tggagaaatc tgtgggcccg gcattgacat 600
 ccgcaacgac tatcagcagc tgaagcgcc tggaaaactgc acggtgatcg agggcttcct 660
 ccacatcctg ctcatctcca aggccgagga ctaccgaagc taccgcttcc ccaagctcac 720
 cgtcatcact gagtacttgc tgctcttccg agtcgctggc ctcgagagcc tgggagacct 780
 cttccccaac ctcacagtca tccgtggctg gaaactcttc tacaactacg cactgggtcat 840
 cttcgagatg accaatctca aggatattgg gctttataat ctgaggaaca ttactcgggg 900

ggccatcagg attgagaaga acgccgacct ctgttacctc tccaccatag actggtctct	960
catcttggat gcggtgtcca ataactacat tgtggggaac aagccccga aggaatgtgg	1020
ggacctgtgt ccagggacat tggaggagaa gcccattgtt gagaagacca ccatcaacaa	1080
tgagtacaac taccgctgct ggaccacaaa tcgctgccag aaaatgtgcc caagtgtgtg	1140
cgggaagcga gcctgcaccg agaacaacga gtgctgccac ccggagtgcc tgggcagctg	1200
ccacacaccg gacgacaaca caacctgcgt ggctgcaga cactactact acaaaggcgt	1260
gtgtgtgcct gcctgcccgc ctggcaccta caggttcgag ggctggcgct gtgtggatcg	1320
cgatttctgc gccaacatcc ccaacgctga gagcagtgc tccgatggct tcgttatcca	1380
cgacgatgag tgcattgcagg agtgtccctc aggtttcatc cgcaacagca cccagagcat	1440
gtactgtatc ccttgccaag gccctgccc caaagtctgc ggcatgaag agaagaaaac	1500
gaaaaccatc gattcgggtga cttctgtctc aatgtctcaa ggatgcacca tcctgaagg	1560
caatctgctt attaacatcc ggagaggcaa taacattgcc tcggagttgg agaacttcat	1620
ggggctcatc gaggtggtga cgggtacgt gaagatccgc cattctcatg ccttgggtctc	1680
cttgtccttc ctgaagaacc ttcgtctcat cttaggagag gagcagctgg aagggaacta	1740
ctccttctat gtccatgaca accagaactt gcagcagctg tgggactgga accaccggaa	1800
cctgaccgtc aggtccggaa agatgtactt tgctttcaat cccaagctgt gtgtctccga	1860
aatttaccgc atggaggaag tgaccggaac caagggacgc cagagcaaag gggacataaa	1920
caccaggaac aacggagagc gagcttcctg tgaaagtgat gttctccgtt tcacctccac	1980
cacgacctgg aagaaccgaa tcattcataac gtggcaccgg taccggccgc cggactaccg	2040
ggatctcatc agcttcacag ttactacaa ggaggcacca tttaaaaacg ttacggaata	2100
tgacgggcag gatgcctgtg gctccaacag ctggaacatg gtggatgtag acctgcctcc	2160
gaacaaggag ggcgagcctg gcattttact gcatgggctg aagccctgga cccagtatgc	2220
tgtctatgtc aaggctgtga ccctcaccat ggtggaaaac gaccatatcc gtggggccaa	2280
aagtgaaatc ttgtacattc gcaccaatgc ttcagtcctt tccattcccc tagatgtcct	2340
ctcagcatca aactcttctt ctcagctgat tgtgaagtgg aatcctccaa ctctgcccac	2400
tggttaacttg agttactaca ttgtgaggtg gcagcggcag cccaggatg gttacctgta	2460
ccggcacaac tactgtctca aagacaaaat acccatcaga aagtacccg atggtacat	2520
cgacgtggag gaggtgacgg aaaatcccaa gacagaagtg tgtggtggtg ataaagggcc	2580

atgctgcgct	tgccctaaaa	ctgaagctga	gaagcaggct	gagaaggagg	aggctgagta	2640
ccgtaaagtc	tttgagaatt	tccttcacaa	ttccatcttt	gtgcccaggc	ccgaaaggag	2700
gcggagagac	gtcatgcaag	tggccaacac	gaccatgtcc	agccgaagca	ggaacaccac	2760
ggtagctgac	acctacaata	tcacagaccc	ggaggagttc	gagacagagt	accctttctt	2820
tgagagcaga	gtggataaca	aggagaggac	tgtcatctcc	aacctccggc	ctttcactct	2880
gtaccgcata	gatatccaca	gctgcaacca	cgaggctgag	aagctgggct	gcagcgcctc	2940
caacttcgtc	tttgcgagaa	ccatgccagc	agaaggagca	gatgatatcc	ctgggtccggt	3000
gacctgggag	ccaagacccg	aaaactccat	ctttttaaag	tggccagAAC	ccgagaaccc	3060
caacggattg	atcctaattg	atgaaattaa	atacgggtcg	caagtcgagg	atcagcggga	3120
atgtgtgtcc	agacaggagt	acaggaagta	cggagggggc	aaactcaacc	gtctaaaccc	3180
agggaaactat	acagcccgga	ttcaggctac	ctccctctct	gggaatgggt	catggacaga	3240
tcctgtgttc	ttctatgtcc	ccgccaaaac	gacgtatgag	aacttcatgc	atctgatcat	3300
tgctctgccg	gttgccatcc	tgctgatcgt	tggggggctg	gttatcatgc	tgtatgtctt	3360
ccatagaaaag	agaaataaca	gcagggttggg	caatggagtg	ctgtatgctt	ctgtgaaccc	3420
cgagtatttc	agcgcagctg	atgtgtacgt	gcctgatgaa	tgggaggtag	ctcgagagaa	3480
gatcaccatg	aaccgggagc	tcggacaagg	gtcctttggg	atgggtctatg	aaggagtggc	3540
caaggggtgtg	gtcaaggatg	aacccgaaac	cagagtggcc	atcaagacgg	taaacgaggc	3600
tgcaagtatg	cgtgaaagaa	tcgagtttct	caacgaggcc	tcggtgatga	aggagttaa	3660
ttgtcaccat	gtgggtccggt	tgctgggtgt	ggatcccaa	ggccagccca	ccctgggtcat	3720
catggaacta	atgacacgcg	gtgatctcaa	aagtatatctc	cggtctctga	ggccagaagt	3780
ggagcagaat	aatctagtcc	tcattcctcc	gagcttaagc	aagatgatcc	agatggctgg	3840
agagattgca	gatggcatgg	cctacctcaa	tgccaacaag	ttcgtccaca	gagaccttgc	3900
tgctaggaac	tgcatggtag	ccgaagattt	cacagtcaaa	attggagatt	tcggtatgac	3960
acgagacatc	tacgagacgg	actactaccg	gaaaggcggg	aaggggttgc	tgctgtgctg	4020
ctggatgtct	cccgagtccc	tcaaggatgg	tgtcttcaact	actcattctg	atgtctggtc	4080
cttcggggtc	gtcctctggg	agatcgccac	gctggctgag	cagccctacc	agggcttgtc	4140
caacgagcaa	gttcttcgtt	tcgtcatgga	gggtggcctt	ctggacaagc	cggacaactg	4200
ccctgatatg	ctgtttgaac	ttatgcgcat	gtgctggcag	tataacccca	agatgcggcc	4260
ctccttctctg	gagatcatcg	gcagcatcaa	ggatgagatg	gagcccagct	tccaggaggt	4320

ctccttctac tacagcgagg agaacaagcc tcccagagcca gaggagctgg agatggagcc 4380
tgagaacatg gagagcgtcc cactggaccc ttccggcctcc tcagcctccc tgccctctgcc 4440
tgaaagacac tcaggacaca aggctgagaa tggccccgggc cctggcgtgc tcgttctccg 4500
cgccagtttt gatgagagac agccttacgc tcacatgaac gggggacgcg ccaacgagag 4560
ggccttgccct ctgccccagt cctcgacctg ctgatcctcg gacacaccga agcacgcgcc 4620
aacagtaacg tgtgtgcgcc cactcggtgg gcgggggggc ggggagggga gagcagggtg 4680
taacaatcta ttcacaagcc tcctgtacct cagtggatct tcagacctgc cattgctgcc 4740
cacgggagac ggcttctctg cagtaaacac atttgggacc ttcctttttt caatatgcaa 4800
gcagcttttt atttccttta cccgaaccct taactgacat gggcctctgc aaaccttaat 4860
gacaacactt aatagcaaca ggacactcga gaattgagtc tcttcgttct ctgccttttt 4920
ctctcctctg ccttcctctt ctgccctctc cccttcact tccacgctct cct 4973

<210> 4
<211> 131
<212> PRT
<213> Mus musculus

<400> 4

Leu Phe Glu Leu Met Arg Met Cys Trp Gln Tyr Asn Pro Lys Met Arg
1 5 10 15

Pro Ser Phe Leu Glu Ile Ile Gly Ser Ile Lys Asp Glu Met Glu Pro
20 25 30

Ser Phe Gln Glu Val Ser Phe Tyr Tyr Ser Glu Glu Asn Lys Pro Pro
35 40 45

Glu Pro Glu Glu Leu Glu Met Glu Leu Glu Met Glu Pro Glu Asn Met
50 55 60

Glu Ser Val Pro Leu Asp Pro Ser Ala Ser Ser Ala Ser Leu Pro Leu
65 70 75 80

Pro Glu Arg His Ser Gly His Lys Ala Glu Asn Gly Pro Gly Pro Gly
85 90 95

Val Leu Val Leu Arg Ala Ser Phe Asp Glu Arg Gln Pro Tyr Ala His
100 105 110

Met Asn Gly Gly Arg Ala Asn Glu Arg Ala Leu Pro Leu Pro Gln Ser
 115 120 125

Ser Thr Cys
 130

<210> 5
 <211> 446
 <212> DNA
 <213> Mus musculus

<400> 5
 aacgaggctg caagtatgcg tgaaagaatc gagtttctca acgaggcctc ggtgatgaag 60
 gagttcaatt gtcaccatgt ggtaagaagc caagatgaga catggacaga aagtatggac 120
 agaaaggacc accctgtatg tccttggcca gctacggaat tgttgccctg ccctcttccc 180
 agtgggtagt ttccccgttg cattcttgcc acccacagac ccttgagggtg ggagcctcgc 240
 cctcgccctc ccaccagaac tctgctcctg gctacaggcc ccagcaccac ccagttccga 300
 gaggcgtagg tcatcatgtg ggatgcccc ctccccctct gagtcctttt cttgattcct 360
 ccagggtccg ttgctgggtg tggatccca aggccagccc accctgggtca tcatggaact 420
 aatgacacgc ggtgatctca aaagtt 446

<210> 6
 <211> 174481
 <212> DNA
 <213> Mus musculus

<400> 6
 gaattccaga tggaagctga cttcctgctc agccctatta aaaaaaaca caggctttcc 60
 tgctctgag ccccttcgcc acaaataact tgagtgccat gcacggagggt gccacttgt 120
 ggcttaggtt ctctcagacc ttgtttgtcc ttcagcccct tggggaggag ccagggtac 180
 cacctgctgt ccctaagcct aggaccagt ggagaccatc gaattgcaga ttagacaga 240
 attaaccatc acagggcctc ataccatcct ttttaaagga ccaggccttg atggagactg 300
 cagtcgcaa ccccatgggt gcttttgcta ctatggaaac actgaaataa ccaacacaca 360
 cactggttgt ggatgccact gaacacacac acacacacac acacacacac acacacacac 420
 tggttgatgc ctctgaaccc caaaagggtc gcctggaagg aatggtggct gctctgtcct 480
 ccatctcagc cgcacatctg aagtcacccc agccacaggc acctgtcatt gtcacagctg 540

gtccctatgg gcttactctt tcctcacgat gctcttattt ttagtcagac accaaagcgc	600
tttattttatt tttagttaga cacatttggc acatttcaag tttccaact tgtattcgat	660
aaagggaaac aaaggattcc tgtcacctgt cctaattgaa agcttctttg ataaatactt	720
tgggacagtg attcatacta tcagccttcc aaaaggagga aggaaaaaaa aaaaaaagaa	780
aagaaaagag cattcttttg agacactctt attcccttgc acttctgatt tgtttttttt	840
tttttttttt ttatttcggg tccagagatg gaatggctca aattacattt gacgtcctca	900
ggaaaccata ctcttggtaa aagcagtgcc tgtctcaa atgaaatggg catggaaatg	960
tgtgcccccc tcttggaact acgtctttcc ctacatttct ctcatcagcc agcagttgct	1020
gggagtcagg cgccattggg aaatgcccac tggatcccag agtgtggcct gcctttatta	1080
gtaatgtttt gagtttgccg gaggacagac tcttcatttt attggagccc ctagttgtgt	1140
aaatcttgtc ttgacaactg gtatgtagac agatggtgaa atgcaaggat tctaacaaac	1200
agccttttaga ttaaggtgtt ggctgggacc aacagtaaaa tgagagacca ggcgaaacctg	1260
cagtcctccc cagggttcga tgattctacc acattttctg gctgactacc caactctatt	1320
ccaaggcagt cttgatgggg aatgaggctt agcccagcaa aacaagacct tctaaccttg	1380
ctcccgaggt tgtctttcct aattttaa ac aaacaaggat gtagtttcct caaagctgaa	1440
tgtgggttcta aagtgtgtga aatgtgtgtt gatgggtttt taatgatcct agaggaagct	1500
ggcttctcgg tctttctact taatctcaac attttctaag ccgttcttta gagctgcagg	1560
ttccacagc agctgcaaga ctgtgtatcc tatcagtcaa agccagatgg tagtcctgag	1620
atggtggggc attctgttga aaagctttct gtcccctgaa gtttttctcc ctaggaacca	1680
atcctgatga tgggccacga ccaatacact cagcagttgc caggcacagc tggatcccct	1740
ctccagtgtc gctacctact ctagaggccc tgggggtccag cgacttgatg tagcatcctg	1800
atcttttaca gactggaaag tgtggcaact gagaagtatg cgctgagagt caggtgaggg	1860
actcaaacc tcagtcatac tccagataaa actgatcagg acgatgctca accctacctg	1920
cagcccaagc tgagatgagg ctcccctcct ctcagttctga catgctagcc tccccagga	1980
ggaggccaca catttttcat tttagaaata tagatcaaga agaaattgta aagaaagaga	2040
actccttgca aatctcacta gggttgccctg atgctgacat cttcaatgtc caatccaatg	2100
tactaacatc agtacaatta agaaagagag aagcagagag agggggagaa ggaagggag	2160
gagaacggga tggaggggtt gaggaatgag tatgtgtgca cgtgcacaca gaccgctcta	2220
tacaatttag accagtgcaa ggcttcctgg aattgcctcc acctcaaac gccttcccct	2280

gctactccca ccttagcttc ttccgcactt ttttccccca ttttaacacg tgggtgcctt	2340
ttcagactca tttggctgta ataaaatatc cagaaaacaa acaaacgaca aaggataaag	2400
gagtttattt ccgtttacaa ttccagggtta cagtccatcg tgggtgggaaa gtcagcagca	2460
ggaacttcag agaattggtc gcatcacatc cacagtcaag agcagagaga aatgcataca	2520
tatttgctgt cttgtttgct ttctcatggt cagcttggtt ttctccattc ttttatagtt	2580
caggactcaa tgcctagga atgacactgc ccatagtga ctgggttccc ccacatcaat	2640
taacaagaat tgttgaggaa ttgggttggtc ttgtggacat gggttttttt tggaggatta	2700
tcttagttaa gctaattgat ataagcagaa ccattcccta ggcaatgatt ggcctgtggg	2760
catgtcaaca tttcctagga atgttggcct gtgagtatgt ctgtgcccac aagtaagaca	2820
attggcta at tgatatgaga agggccagcc cactgtaggt ggtaccattc cttaggctgg	2880
agatccttga gctgtaggag agaggagaaa tcaaactgag cacaagcaag tgagcatgtg	2940
tgcatctctc tgctctttga ctgtggatgc tatgtgactg ttgtttgaag tctgcctca	3000
actttccac agtgatgggc tataacataa ttatatgtc aaatgaattc ctctctctc	3060
taagttgctt tcgttgttgt ttttattaca gcaacagtta aagtagaaca cttatttaaa	3120
acctatggaa ggatatatag atagtttaca gctttagagt tgtagagtg gagaacacta	3180
ctgtaaacag tagtttccag ttctgagatc agtggccagg tgtatacatg ttactcagtc	3240
cactttcagc tctaaaaaaaa aaaaaaattg gggctcagcg gttaagagca ctgactgctc	3300
ttccaaaggt cctgagttca aatcccagca accacacggt ggctcacaac caccataac	3360
ataacaaggt ctgatgcctt cttctggagc ttctgaagac agctacagtg tactcacata	3420
taataataat aaataaatct tttttttaa tctatcacca tattgcaaag tagtgtcttc	3480
cattcctatc aatatgtgag acccagtttc tcattctttc tttgtttgtt tgtttaagat	3540
tttatttatt cattgtatgt atatgagtac actgtagttg tacagatggt tgtgggcat	3600
catgtcattg ctgggaatta aattcagtac ctccgtggc tccggccccg ctggctccag	3660
cccaaagatt tattttattgt tagacctttt aaatatatca cataatagtc tttatacaat	3720
agataagtgc tttctcagta ataacctctt aacagagttt ttatttttta tttttaacag	3780
agtttttaaa agagccaaca ttcttaactc tgtggctgta tttttgcttg tcttgtttta	3840
aaacaagctc ttgggtggtg gtagtgaca ccttttagtcc cagcagatac tggcagatcc	3900
ctatgaactg gtcgagagag caagttacag aaaagtcaag gttacacaga gaaaccctgc	3960

taactaaggt tgagatctgc tatgtctaga tggcttatct gagctcagtg caaaatggag	4020
gactctatac catctgggct tccccctctc tgaccttgtc taggggactc cctatactct	4080
ctacctggga aagggtcaagt agcctcgga gaccaacaaa ctctctcttt tccgcagaag	4140
aaccaccca acaagtaccc gggattcctg aaatgcctct ccatacaaat gaggaattcc	4200
aagaacttta aactctaacc aatgattttc atttaccctg aaaactcctt cacactctcc	4260
aaggtcctgg ttaccctcaa ataaagtgt ttcgtacaag cccacccta gtagaggat	4320
ggaggatatgc tcacaaacca agatcggcta agagagctgt ttctattgaa gattgttgga	4380
gaaggccttc ttctaaaaga gctgtaactc taagatcctt cgggaaggcc ttctctccct	4440
tccctcccc tccccccact agcactcact cccagcagga ccctaatacct gtataaccct	4500
ccccccccc ccattctgga cactgtttca tccttcccac ccagtgtgca gtggcatctg	4560
gatacctccc tgactatgtt tcatacagtc aattctgagg aagccccag attagcaagg	4620
ctgaggttct ctggggccta tagaacttgt tgccagggtga tagaacttgt tactgggtag	4680
tgtgggctgg tttagcaaaa cctgggtatc tttggtttca ggttttgggc cttccggca	4740
gcacctagtg aattccagct ggaagccgt gaaggtaa cctgccgttt gcccccccc	4800
ccccccccc ccgggccaac ctggttcctt ctgtggctct tgggaaacc caatgccaat	4860
gcgaggact cctaagaaac cagagtcacc ttggaaggaa ggcaagcagt gggccctgg	4920
aagaaaggct tgtatttggc cctggaatgg tgtgacttgc ctggtcaggt acttctctcg	4980
tttgtccagg gacactccta ggtgggacca aggccatgt aggccttact ctacgtagg	5040
ctagattctt gccctctctt cctttggatg tggggtctgg ggaaagtcatt tttaccagc	5100
tcttgtctc acctacgcat gcggaagtga taacatggat gtctctggcc tccactgaca	5160
gctcagggtg agggcagcct tgtccacact gctctgtgtg agcccagcat gggcggtgg	5220
tgagaacctg gccagtgtc gtgactgtcg acagcacgct tgcttttgag gacatagcta	5280
accaggagaa gggaagtcct ctgaccgcc actgtgcata ggagggcagg actccctggc	5340
ccacccccac ctccctaggt caactgtctg ccacagctc tcattgtgggt gtcacttaga	5400
ggctctgcga attgaaagct gcctgttcgc acttggttt caacttcaca ctgatgttg	5460
accaagccaa atgtggggcc tggagtctat tctcagagtt tcccaggcca gctgagaaac	5520
gcagcaaagc tgctagctc atgcactcac agccaccgtg gcactgactt tgtggctga	5580
caacgcagag gcaggcagga gactcttgat ccttgagtta gcatttgggc ttttgctttt	5640
ccaatcataa aaaagcccag agacccttg actcattgcc aagccttgct ctggtacaca	5700

aggtaacaga gaggccagga ccagactttc atgagctcct ggcttttctgc aaccagtatt	5760
tgatcagcag gacttctgcc aagtcctcag tagtcccaga cccttttggt tctttctgca	5820
gccgtaaaca atggaaaaga gccagactgc ttctggtttc tggtttgct ctcagtttcc	5880
ccagttgcaa gtagtggcat tcaaaaacct tgctcgagtt ttgatgcctc cgtttcccaa	5940
tttaaataaa tgtgtgtgtg tgtgtgtgtg tgtgtgtgta tgtgagagag agagagagag	6000
agttgaggaa gtcacatgac atcccaaaga cctcttgggc atgctgatag agctcacagg	6060
ttgtccattc ccaccaggag gcttttctgt ttgtctggta cacagctgca gacacatggg	6120
atgaggggtca gatcagcaca ggaagtggca gaaggagag ggttacctga ggtggttggg	6180
aaaccccagt gcttgggact gctagtaatc aaagtcacct tggagggaag gcaagccagt	6240
gaccactgga agaaaagttt gtctttggtc cttgggtggg gtgacttgac tggtcaggta	6300
cgtcttccat gtgtgcagta aagaaaagtg gctaaggagg ctcaaggctc attaagcttg	6360
gtgaagcaaa ccagacagac acagggactg gggcttgct gaaggcatat agtcagacat	6420
gcagacagcc aaggatagct ctgaaaagtg cacacacata cacactcaca tgcactatac	6480
acacacacac acatacacta ttcttacaca catataccac aaacactata cacataccac	6540
acacatacac tcacacacac tatacacaca ccacacacat atactcacat atactataca	6600
cacacacaca tgcactacac acacatatat acacacatac actctcactc aggagctata	6660
ggctgaggaa agcaagcata cactggaatg gcaggtaagg acaaaatctg tgttaagggc	6720
tggaggtatg gcttagttag tagagaactt ggttgcatgc atgtgggtct gggtaacatc	6780
ccagcactac ataaaatcag gcatggtggt atacctagta ctagggaagt agaggcagta	6840
gaattggaac ttcaaggcta tgctctgact gctgcagact ctcattggagt ttttgtgaga	6900
atttaaaatt caaattctgg gtttggcatg gtgacccatg cctttaatcc cagccagcat	6960
tcaggaggta gaggcaggca gattactgtg ggtttaaggg tagcctgggc tgtacagtga	7020
gttccaagac aggaatatat agagagagac cctgtttcag aacaaacaaa aataaaactc	7080
aaacttctta caaagaaatg tgaactatca gttcctagcc taagatcacc tgatacacia	7140
gaaaataaaa taccatgtta aaaaaaatca gtagatgccg ttttaaaaaa cagaattata	7200
accaggcagt ggtggcacat gcctttaata aaccagcac ttgggaggca gaggcaggca	7260
gatttttgag tttgaggcca gcctggttta caaagtgagt tccaggacag ccagggctac	7320
acagagaaac cttgtctcaa aaaatcaaaa aaaaaaaaaa aaaaaagata gcagtctgag	7380

aaattagaac	tatagctgac	ttaaaagaca	gcttagatct	gtggtcagt	aaagatactg	7440
ctcacaagag	actgtatcac	ttgagtccac	ttgcattaat	gtccctagta	agtaaataata	7500
ttgagagagg	aagtaggtta	gtgataggct	aagggtggaag	gacacagtaa	atgaatgtga	7560
agtttcttta	aagtacattt	atttatttgt	gtgaccatgt	gtgtgtgtgt	ctgtctgtct	7620
gtgcacacca	tggcttgccc	atgaaggtca	aaggacaaca	ggtaggaagg	agctagaact	7680
ctccttcccc	tgtataggac	ctagggatgg	agctcacccc	agacatcggg	tttgggcatc	7740
aggaaccttt	accccgagcc	tctcacatac	ttcttttagga	ttcttttaggt	tgtaattcaa	7800
aggctctggc	accgattgcg	gtgatggttg	gttgtataac	tcttgatggg	gatggttata	7860
taactgagca	tactgaaaga	tgtggagtta	aatagggtta	gtacgtggaa	tgtgaataag	7920
ctatctctta	ggagatagat	gataggaaga	taggatagat	agatagatag	atagatagat	7980
agatagatag	atgtgattag	atagatagat	agatagatag	atagatagat	agatagatag	8040
agataggtga	tagactttac	ccacatgtac	acatatatag	ctgttcagaa	acagacgaag	8100
agaaattagt	aaactagaat	atagatatgg	agatattatt	caaaggacaa	tataaagatg	8160
ggcaaacaag	catagagggg	ataatgtaaa	tagtaaagga	agtttctgtt	taaatagaat	8220
tccagaggaa	aataacagcg	agaatggaag	aaaaccatct	tcaaataatac	agctacaatg	8280
tatgggattg	gaatagggtt	ggccccatag	actcctgtgt	ttgaatgctt	ggccccacaag	8340
aagtggcact	gttaggaggt	gtggccttgt	tggatgtttg	accttggtgg	aggaagtata	8400
acactgtagg	ggcagacttt	gaagtctcct	atgctcacgc	tatgccatt	gtggcacacg	8460
gtctcctttc	tgttgccctgt	ggatcaagat	gtagaactct	tggtctgggtg	agatggctca	8520
gtgggtaaga	gcacccgact	gctcttccga	aggtctggag	ttcaaataccc	agcaaccaca	8580
tggtggctca	caaccacccg	taatgagttc	tgatgccctc	ttctgggtgtg	tctgaagaca	8640
gctacagtga	acttacatat	aataaataaa	taaataaata	aataaataaa	taataaatct	8700
ttaaaaaaaaa	aaagatgtag	aactctcagc	tccttctcca	gtgctatgtc	tgccctggatg	8760
ttgccttgct	tcctgctctg	acaataatgg	agtaaaccct	tgaaattgta	agccagcccc	8820
caattaaatg	ttttccttta	taaaagttga	cttggtcatg	gtgtctcttc	atagcaatgg	8880
aaaccctaac	aaaggcacia	tggttaagaa	tattccagag	ggactggaga	gagatggctc	8940
agtggttaag	agcactgttc	ttccagaggt	cctggagttc	aatccccagc	aaccacatag	9000
tggctcacia	acatttgtaa	tgggatctga	tgccctcttc	tggtgtgtct	aaagactgta	9060
ctcacattca	taaaataaat	aaatctttta	aaaaatttcc	agaactgatg	aaataactga	9120

atccacagag	atagaaataa	agaaaatcca	cacctaaaca	tagtagagtt	ggagactgca	9180
aaagactgat	taaggcttta	gagtagccag	agaggagatg	gcttacttac	aaaaatggat	9240
actctaacta	gtagtctagg	gctaactttc	tcaaaaatag	caatacaagc	tcaaaagcag	9300
tacagtaata	acctacagaa	tgccaaaatt	gtagctgctg	aacagaaacc	gtgtagctag	9360
gagatcattc	ctcgagaata	aggctggggc	tggagagatg	gcttcgtggt	taggagccct	9420
tagcggttat	gctcttcctg	aggacctgcg	tcaattccca	gcgccacgt	caggtagttt	9480
ccaactgcct	ttgatcccag	ctccaaagtg	aacctctaac	ctttgggagc	acttgcgttc	9540
acgcaagtga	acacatacct	ccctatacac	atacacataa	ttaaaataaa	aaataaatct	9600
tttttttttt	ttttaagaa	taaggctgga	gtaaaaacat	tttcacaaaa	ataaatgtca	9660
ggtttactct	cagaaggatg	acacaagggg	actgtaaaaa	ggacacttgt	cagaagagaa	9720
gaaaattatc	acaaaaatgg	tgtcttagtc	agggttttat	tgctgtgaag	agacactgtg	9780
aacacagaat	tgggggtggc	ttatagtttc	aggggttcag	tccattattg	tcatgacaag	9840
aaacatggag	gtaggcaggc	agacaaagga	caggagaagg	agctgcgagt	tctacatctt	9900
gatccacagg	cagccatagg	agactatatg	ctatactgtg	catacctcaa	gcataagaga	9960
cctcaaagtc	actatgggga	atgcttgccc	catagtgact	caattttctc	aacaaagcca	10020
tacctatcca	acaaggccac	acctcttaat	atagtgtgta	atagtgtgctg	tccctatgga	10080
ccaagcattc	aaacacagga	gtctagagtc	ttatgagggc	cattcctatt	ccaaccactg	10140
cagatgggat	agaaatcact	gggaagcctg	gcagtgggtga	cgcatgcctt	taatcccagc	10200
acttgggagg	cagaggcagg	tggatctctg	agtttgaggc	cagcctggtc	tacagagtga	10260
gttccaggac	agccagggct	atacagagaa	accctgtctc	aaaaaaciaa	aaaacaaaaa	10320
caaaaaaaca	aaaaaaciaa	caaaaagaaa	gggagggagg	gatgaaggga	gagagagaga	10380
gagagagaga	gagagagaga	gagagagaga	gaaagaaatc	actgggaaat	ggtgagtctg	10440
agggtagaaa	tctgtaccag	caccaggcag	tgatggcaca	cacttttaat	cccagtactc	10500
aagatctggt	ggatgtctga	gttaaaggcc	agccttatgt	acagagttag	ttccagatca	10560
accaaggcta	catagaaaaa	ccctgtcttg	aacatcaaaa	caataaacia	acataaagtc	10620
catatcagca	ttgtttgtaa	catgtaatag	tagtagttcg	taattccagg	atggaactaa	10680
aattcacaac	agtcaaaggg	tcggtggtct	tctccctcca	gtgccctca	ttgtcgggtga	10740
acttcaagct	catctccacc	atctcttcag	tgacaggttc	tggagcaggc	tctgctcaat	10800

cttcttgctt ttaataggac caaaggatgg tgactagaca cacctgcac ggcacctgga 10860
 aagtgaggtt cccgagatgg ctggctatgc ccaggctctt ggtaccccag ttggccttcc 10920
 ttttggcccc tggactctag gtcttgcatc tattctccct tccttggtgt cttccttttg 10980
 acagagttgg ttgcaaacctc tttgctgtca atgtgcaggg ttgttttgtc cccacgggtc 11040
 aacttaggtt atcctgtgtc ctgtctaaca cctcagtggg ctctattttt ggttcagcat 11100
 cttcctatctt ggttttcagt agtcaactgaa agtgctggca aacagttaac agtgtcttta 11160
 gtaggaatgg ttatctaagg gaccatacta ggtaaagggc tgagatactt catatacata 11220
 gcataccctg actgctgtaa agatagaaaa acagactgag atgccctaca cagtctgtgt 11280
 ctgtataagc tacacacttt ctgtaatggc caacatcaat ttatctttat cccatagagg 11340
 gcctggcttg gagcatgtgt tccagggaact gaatcatttg aggtaggagt gaatactttt 11400
 ctttctatcc tcttgcatc ttcagtaaa attaaagctt atcgctatca tgtatgttcc 11460
 caagcaatgt ttaattatct gtaaaaagct ttgtatctga gactgcatgg attacagatg 11520
 ggaaaggaaa aaaaagtgtt tatttccaca gtgtctcact tccaagaatg ggtgagcta 11580
 ttgacaaacc atcacacgaa gacatTTTTT tttaaagatt tatttattta ttatatgtaa 11640
 gtacactgta gttgtcttca gatacaccag aatagggcat cagatctcat tacgggtggt 11700
 tgtgagccac catgtggttg ctgggatttg aacttcggac cttcggaaga gcagtcgggt 11760
 gctcttacc actgagccat ctcaccagcc cgcacattat tttttttgtt gcagccactc 11820
 ataaatggga gaagaatgtt gaaaggaaaa gaaaatgtag gggctggaga gatggctcca 11880
 tgggttaatag cactgactgc tcttaccgag gtcttgagtt caattcccag caaccacatg 11940
 gtggttcaca accatctgtt acaggatctg atgccctcct ctggtgtgtc tgaacacagc 12000
 aagtgtgtgc tcacataaaa taaataaatc ttaaaataga aaaaagaaaa gaaaatgcag 12060
 aaaaataata tgaagtctaa aagttcacag cgaaagaggg attttctgca aagttcccaa 12120
 gcaagtgact ccatgctgtt tgttgatcag cattgtgagc cctcgtgttt aacattgagc 12180
 taccaccatac tccacaagcc caacgctcct tcagtgcacat atgcagcagc tgcacatca 12240
 ttgcccatga tctagattct aagctctagg tgtgggtggt tgaataagga tggctcccat 12300
 agactcatgc cagggaatgg cattaggagc tgtggcctcg tgggaggaag tatgtcactg 12360
 aggggtgggct aataatatag aagttagtac caaggactgg ggtttttgct gccctaggct 12420
 ggaccaagtt tcttggtgga atgtggactt tggattagga aaatagttga atggttcaag 12480
 tagagcatca caggccatac tggtaagacc atggaagatg gtgctgttgg tgacatgaat 12540

tattggggtac acagggtttta gaggagaaga attgtaggcc tagatttttc aaaccctact 12600
tttaataagg gttctttaaac gctttatcct ctcttctagc ccaccacca ccagagggag 12660
tggaaggaagg aggttaatag agcaaaggag ggtgtggatc tgtttagaaa aagttctttg 12720
gagcaaattcc aatctgtgtt accaggatat cagcagtaca gttcactcag aacagcagca 12780
gcagctcgat ccacttgcaa acaccattca tgaatcagca atggcaggtc aatccagaag 12840
aaacctcgag gctctgcaa gtacaaggaa gcagcagcaa gaagctgcca gaaagaacac 12900
caccagaagt tcttttgtgg catttctgtc tatgaagtca tatcaaata tgactagcaa 12960
agaatggcaa ggcaagggtc tgggtgagatg gcttagcagg taagagcact gactgctctt 13020
cccaagggtac tgagttcaaa tcccagcaac cacatgggtg cttacaacca tcgtaatgag 13080
atctgatgcc ctcttctggt gtgtctcaag tcaactacag tgtacttatg tataataata 13140
ataaataaat taataaaaaa aagaatggca aaccaaacca tacagcttca tcagcgaaga 13200
ccagtgtcag caaaaccaa tgataaccag caaatatata tctctttcc aaacatcaca 13260
ttcttgttct ctcaagtgtc agcttttagca aaacatcaca tgccctttgc ctagactgct 13320
tctagaaaac caccgtgtat ctgttctcag caaaacatcc tcccacatgt ctgcttcagc 13380
aaaaacatcc tctcataaga cagtttccag aaaaacatca catgacatga ctgcatctcc 13440
aaagaagcca gaaatttcca attcaaagag tactagtatg caacctagag accattcttg 13500
tgatatatttg acaaagatca tgggtacatt ctgctcttgt catgcacaca gacacacaaa 13560
tctgcttgag gttaaataga agagttatga atgaacatct ttagaagatt tgtctctaag 13620
agatttccaa aaagtttagt attgactttg ttgcttggtt attagtgacc atacttatgc 13680
agatctgtaa cgaagaggac caagctaac aaggaacata cagaatgtac agtttgagga 13740
gaaaaggagc ccagggaagt gtaatggagt caagtccagt gcttgaggag ataaacctga 13800
tgtaaataag aaaggagaag tgggtgacct aagccaggac tccacctagc taagcttcca 13860
acttctgaga agtaataaaa gaaaagttta gaactgggtg tagctgaatt accttgaatg 13920
ttagcagcac tcatgagaca gaggcagcag gcaggctact gagttcaagg ccagcctggt 13980
gtacagatgg ggttccagga cagccaagct taggcagtga aggaaccac tgaaaacaga 14040
aagctggtga agatggattt gaatgaagag gcacattcca ggcccagcag cagcagaact 14100
tggtagcttt ggccatattg ctctggcttt agagtggagg gtacaaaaaa aagagttatg 14160
gaatctccct ccgtgactaa ggaaagctga tggggccagg tgtgtgtcag ggatgtttct 14220

gcatggagac ccagagacct ttgcttaaag ttgtgcaggt aaaaacctgg attgttgtga 14280
 tagtttgaat gcttggccac agggagtggc actattggga ggtgtggcct tattgaacga 14340
 agcgtggcct tgtagagga agtgtgtcac tgtggaggca ggactttgaa gtcatatatg 14400
 ctcaagctct gttcagtgtg acatacatc tccttctgat gcctccagat caatatgtaa 14460
 aactctcagc tcctccagca caatgtctcc ttggatgctg ccctcctcc cgccatgatg 14520
 ataatggagt gaacctctga aactgtaagt cagccccaat taaatgttat gagttgccat 14580
 ggtcatggtg tctattcaca gtgatggaaa acctaactca gacgattgcc ccagaaagcc 14640
 cccaagatgt tggatatgcc agagtcattg gatttgtgaa gagggatgct gttaacaggg 14700
 agtggaaactg gcccaagaga aataactgtg ttgcagtcaa caaagttgaa aagagttgga 14760
 gatctgaaga ctgctttgac atcaggcacg gagatgcaga gtttgagatt tacacagctg 14820
 ttttttggtc ttgcttttgt ccagtatttc ccctttcctc ccttttgga tggtgataga 14880
 tatcctgtat atgttggaag tatgtgatct tgattttgat ttattccag atcatagtta 14940
 agagcttgcc ataagtctta gaacagactt tggactttta agcaggggta agactgatag 15000
 actatggaga cttttgaggt aggattgagt gcatttctgg attatgataa agctacaagt 15060
 ctgtggggac tgggatgtag aatgtggtgg cttgaaaaag aatggccccc acagacacat 15120
 acttgaatgt ttaaggggta tcattagaag gtgtggcctt gttggagtag gtgtggcttt 15180
 attagaggaa gtatattatt gggtttgggg ggtggtgagc tttgggtttt gtctttgtgt 15240
 atgcctgtat gaggagggtca gatcttttga gactggagtt acaggcaatt gtaagctgcc 15300
 atatgggtac tgggaattga acccaggtcc tctggaaaag cagccagttc tcttaaccac 15360
 tgagccatct cttcagtccc gttccaatga atttttgaga agcttttcta gaagtgcctg 15420
 aaccagaga gacaataaaa acagttgttc tcaacctgtg agttgagaca cctttggggg 15480
 ttgcatatca gatatttatt tacattgatt cacaacaatt gtaaaacttt cagttttgaa 15540
 gtcgcaatga aataatttta tggttggggg tgtcattaca acatgaagaa ctgtattaaa 15600
 gggtcacagc attaggcagg ttgagaatca ctgcaacaaa agaagaattt tgtgccaggt 15660
 ggtagtgcca tgtgtcttta atcccagcac tcaggaggca gaggcaggca gatctctgag 15720
 ttcgaggcca gcctggtctt tagagtgagt tccaggacag ccaaggctat acagagaaac 15780
 cttgtctcaa aaacaaaaca aaacaaacaa acaaaaaataa ggtatttgta aaacataccc 15840
 tagatccgtt gtgctaagac ataacagcat tccaaatata catagcccaa gtagccaagg 15900
 ggtagagct cttatcagct ttgatgagct tgatataagg ggaatttccc tttatcccca 15960

aagatgaagt ggtcttaacc ttcttgcatg ctgtttgctt gttagttaat aggtttatatt 16020
ttatatttatg tatgtgtgtg ttttgctga atatatgctg tgtaccttaa gtgtacttag 16080
tacatgagga gtccagaaga gggcgccaca tcccacagaa ctggagttac agatggttgt 16140
gagctgctgt gtgggtgcta ggaatcaaac ctgggtcctc cagtgtctctt aactgatgag 16200
ccatctctcc agccccctcc atgattcttt aaaaagcagt catagtgaag agagtacaag 16260
gttgtgcacg aggacagtaa ccccccaat ccatttctgt aacaagtcag agtaagatga 16320
cagatctttc aaaggacac cagcaactgt ctgggccctt cctgtaggtc cccctaaact 16380
tcactttagt ctggagaaat tccagggtc tcagattact ccagagagct agaaagagaa 16440
gcttttcttg tctcgttttc cgtttgtgtt tataacataa acttttattt atttatttat 16500
ttattttattt atttatttat tataatgaag tacactgtag ctgtcttcag aactccaga 16560
agagggagtc agatctcggt acggatgggt gggagccacc atgtgggtgc tgggatttga 16620
actcgggacc tttggaagag cagtcagggt ctcttaccga ctgagccatc tcaccagccc 16680
tataacataa actttttaatt tctctgggaa gacattcaag cagaggtccc aagttctatc 16740
actcagaaca catatacaga tctggacata ttgacatgca catgaaatgc aatggagata 16800
gagagacaga aggatccctg gtacttgctg gccaccaga ctggtagaac cagcagggtc 16860
caggtagctt cccaaccatt tctccatctt tgggtccatt gttgcctgtc tgaatatctt 16920
tgcagatagt ttttagaggg gaaatacagc aagtaagcag aatggtgcag ggtagagcct 16980
gcacctggaa agtggagaaa catcctagag agacacagcc ttgcaaggct ggtccagggt 17040
gtgggcagtg tacagctgtg actgcagatg tcagcacaga tgctgggtac ctgattcatg 17100
gcaaccacag gttgggaggg cccctacaga tgttgagacc ccagggtctga caatcccagt 17160
ggggtgattt gtgacgtttg taataagatc agatgtgagg gtagagggtga gagagagggc 17220
ccaggtagcc ttctagacct gtctttggaa tctgagttca gactggacat tttgggggct 17280
catttccaga gtcactctcc tgtgtctctg tcccatattc atgagaagag cactcccatg 17340
ctggcagaac atgaggccca ggaagaagac atggggctct ccataactca accccagaga 17400
cctagtgcc agcaattatt gtcatagca gccaaaaaca tgtaagaaac tgccccattc 17460
tggcgaaaga gtaagatgca tttgactgtg actgtcacc attgtcagga ggccaaagca 17520
tttcttttagc agctcctcga gtcaatgaaa tactgagtgt actgaggacg agggcagctg 17580
atgtcctttc tcactctgtg tctcagtga cagaggtcaa ccaggatcca aaaagcagta 17640

ttatgtggaa	actcccagaa	agaaaccaga	aaggagtttg	atggtcacga	gactggacac	17700
actgccagag	tcgcgtggct	agcgtcagca	aaagttttca	agtgacttcc	acggaagcat	17760
atttacgacg	acgtacagaa	gaagggcagc	tacttaacag	atgcccacct	acctttttaga	17820
acagctaata	agtcacagat	gcctgcggtg	ctcccagaac	agaggggcct	tagtagtcag	17880
gcctcacaca	ggaggcagga	agaaaagcat	gcaggaatca	aaccatagcc	taaagtataa	17940
gatgaacatc	caggagccta	aaccactcta	aagaaaatta	catagatcct	ctatgtaaat	18000
taaggagcag	gagagtgage	tttaagttgt	ttctgcaggt	gcataaatta	tgcaggcact	18060
tcaggcccta	tggagaactt	aaccctcctc	ctcagatgct	ggctgcacgc	ggacttcctg	18120
ccacaggacc	cctgctatga	agtgagtgca	ggaaagaacg	ttttatagtg	aagatgcctg	18180
agagacttcc	aggccagggt	atccaagtca	acacctacag	tgacaagtct	tgttgatggg	18240
ttgtaccctt	gaaatattat	catgagaagg	gcactctatg	cctctagagt	cttctgcccc	18300
caaccctaaa	gcccagtctg	atctgagacg	agaaggagac	agattccagg	gaaggcacac	18360
gctctacagt	gtctggccag	tgttccatag	aaccggcaaa	gtcattaaac	acaagaaaga	18420
actgtaggag	atggaacaat	gtgttgtgat	gacctagatg	gaccttaaag	gactgctctg	18480
tgtgtgtgtg	taactaagga	acctgggtaa	acgatgcggg	ccttaccact	cttctatcca	18540
ttaaaatggt	tatcatgtct	cttcgtgggtg	gtgcacgcct	tttaatccca	gcactcagga	18600
agcagagaca	agaggatctc	tgagtttgag	gccagcctgg	tctctagagt	tcagggctac	18660
acagaaagac	cctgccttga	aaccaaccaa	ccaaccaacc	aaccaatgaa	ccaccataa	18720
cccacagatt	tttgttgggt	gtgcttttgt	tggaaacctcc	ctctcttttc	tcagttttaa	18780
gactccagaa	ccgaagtgag	aacagctggg	catgttactg	tgtgcttggg	atcccagcaa	18840
tggggaagag	gagacaagac	tttcctggca	cttattggta	agctagccta	acttacccta	18900
ggtgagctcc	gggccagtga	gagactctgt	attaaaaaaa	aaaaaagtgg	atgttaaaaag	18960
acacctaagg	ttgtcctctg	gcctccacat	gcatgtacag	acatatgcac	acatgtgtgt	19020
gcacacatga	ctgtttcctc	ttgtttatca	cctgtcctta	tgatttgaga	gaactgtagt	19080
aggctttcag	atacagaagt	ggattggctt	ggttaaaaaat	cttagttcca	ctactggcct	19140
gtgtaaaaga	tggggaatct	ctgctgagct	aagccatgca	ctatgagaac	agtctctctc	19200
caggccagac	ctctacaaaa	aaaatcccaa	caacaacaac	aacaacacca	ccaccaacaa	19260
cacctttgca	ggaagggtgt	ggtaaaggcc	ctagtttaaa	aatgggtgta	catatacaca	19320
ccatgaagtt	cagagagtcc	attcgcaaca	ttatttgacc	ttcagcacga	tttgtttctg	19380

gaactttccc	acccattct	tgctcgttc	cccaggtcc	tggtgactgt	tattattttg	19440
tatccatact	gttgcacagc	aagtgtctag	aactttctga	atctgcagaa	cagactcgct	19500
actgatttaa	ccatggctc	ccctcccca	ccctccct	cccttggct	tctgctgacc	19560
accactctac	ttcccatctc	tcctcgttg	gctgttagct	acttagtgga	agtggaacca	19620
tattgacttt	tgtgactggc	ttacttggct	tagtataatg	ttttcaaggt	tcaaccatgt	19680
cattgagtgc	accagtacat	tcctaaaacc	ctggcactca	ggaggctaag	gtaggggaac	19740
ccagaccaat	ggttttcaac	cttctcgtg	ttgcggtgac	ccccacaacc	atatttctgt	19800
tcttacttca	tagcagtaat	tttgctaata	ctatggatca	tagtaciaat	atatttggag	19860
atagaggttt	gccaaagggg	gtctcaatcc	acaggttaag	aacttctgat	ttagactttt	19920
agttcaggcc	aaattacaca	gtgagagcct	atctctttca	tttcctaatt	tgaaagaaag	19980
aaagagggag	ggaggaggag	agggagggg	ggggaaggga	gggagggaag	ggaggaggag	20040
aagggaggga	gggaagggag	ggagggaagg	gagagagaga	gagagaaaga	gagagagaga	20100
gaaagaaaga	gagaaagaaa	gggagaaaga	gagaaaaggc	taggcgtgat	gcagctcact	20160
gcagctctgt	gagacgcagg	cagggtccatg	gtcttccac	ttcagccgcc	tagtgaattt	20220
gaggccagcc	tgagagataa	gagaccctgc	ctttaaaaaa	caaatagac	aatcagctta	20280
gtgggtaaaa	gtgtttgtga	ccaaagctgc	caacctgtgc	tggatcccca	gaaccacat	20340
ggtggaagga	gaaaaccagt	tcctgcaagc	cctccacgtt	gtgagccatg	gcatgcaggc	20400
atcctcagac	agacagacag	acagacaaaa	tgaataagta	cattaacatg	tttaaattaa	20460
aaaatggaag	gggcagaaag	gggaaggaag	cagatggggt	cttttgtttc	tttgttttgt	20520
gtgtgtgtat	ttatgtatat	atgtgtgtat	atgtatgtat	gtatgcatgt	atatatgtat	20580
gtattagaga	caaggtttct	ctgtgtagct	ctgactgtcc	tgaaacttgc	tctagggatg	20640
aatgcatgc	acccccctcc	cccagctgaa	actgacagtc	tgattcccta	ttgtgcttgt	20700
gtttcttacc	agttcatcct	ctgctggaca	cttggatggc	atcttctatg	ccactgtgaa	20760
cagagctgca	agctttcatt	ttgggggtat	atactcagaa	gtgggggtac	tgggtcatat	20820
gaccagtcag	agattgttta	gtaactacca	agttctctac	atatttagaa	atactatttc	20880
ttcttctttc	ttctttcttc	tttcttcttt	cttcttctt	cttcttcttc	ctctctctcc	20940
tcctcttctt	tccttcttc	cttcttctt	tccttcttc	ctttcttctt	ttctttcttt	21000
cttttctttt	cttttcttct	ttctttcttt	cttttcttct	ttctctctcc	tttctctctt	21060

ctctcttctt cttcttctt ccttcttcc ttcttctt cttcttctt cttcttctt 21120
cctctctctt cttcttctt tctcttctt tcttcttctt cttcttctt ttcttcttctt 21180
tcttcttctt cttcttctt ttcttcttctt tcttcttctt cttcttctt ttcttcttctt 21240
ttctctctct cctctctctt cctctctctt tctctcttctt tttaagctt atgtgtacag 21300
gtgttttgtc tacatgtata tcttgacac cagaaaaagg cactggattc catgggacta 21360
cagttacaga cttgggaggc atgggggtgc tggctcttga actcaggctc tctggaagaa 21420
cagtgtctt aaccactgag ttaactctt ggctccaata ttcatctct cttctctctt 21480
ctctctctct cttctctctt cttctctctt cttctctctt cttctctctt tctctctctt 21540
cttctctctt ttctttttta ttttttattt ttctacttat tttcaatagc agccacctcc 21600
acagatacaa agttctctga ataggccata aaaatctgag cttactcttg agtaatatgt 21660
ggatgaatgga cggcagagca tggccttctg tcttgcttg tctcacaca ggacacaggt 21720
cctcagacag gccaggacc ctagagctcc tttgggggag gggacacagt ggtgctatga 21780
aagcctgtct tcttctactt actctcagtt cattataaag catttcaacc tgttaatggg 21840
ttccagggtc atactattct gccttaatta aactaatccc cacattatga tcaagaaatc 21900
ccataaaaaat gatctgtaac aacatcacac ataggagata aaatgaatta atgtgaatca 21960
cacggaaatg aggaatgaca attcctgtga cctcccaga ggcccttatc aaccatagga 22020
aaaaaaaaag agctgacatg ttgatccaaa tagaggaaag aattaggaaa agcagttaag 22080
gaaagaaaga ggcccttaca gatttacatc tgcccgataa agccactcc aaagcaggag 22140
tcttgcatga gtgcatgta ccctaactac agagcagcag gggagagatg ctgaagtgtg 22200
cactgtgcc tgtgtcatcc agtcagtgg caggcatgcc acgtcaaaca tttttattaa 22260
cggggcacat gatcagaaat atttgagac agtgactgga tagagagtcc ctgtcattca 22320
tcttgatct tccaggcaag actgacacat cagtttgga gaatcacata acagatactg 22380
gaagagggcg ctggcaagca gcctatgtg aggatagaac ttgacagcac tcaggcagag 22440
tcacctttaa ccaacacctc aggatttctt cccaagctcc cctctgtatc tcttttgacg 22500
ctgcttcttg aaatgtctt cctctaattg tgtccctgtg gactttggct gtccctgtg 22560
taggatgggt ttggtatcga ctgttctcga ggctgcgggg aggagatact tagcagagtg 22620
ccaagagtcc tccaggggca gcctcggatg atgaccggac tattcattaa ctcagaaaaa 22680
aatgggtgct ggaagcatct taccaagtgt agttgtctg cgctcagggt atgctcgggg 22740
tatgtagttg ttctgctggt atgcttccct tctcagagga gttcagttct catgggtctt 22800

gtaacgtcag tgttacattg ttttaatggc tacatcattg ccaccaatgg ctagcctctc 22860
ctctgtctac cagccctttc ctttctcttc ttcagtgtctg ggctggaacc caagactttg 22920
ctcatgctag actaggcaag ctactcagcc ccagccttgt tcatggcact gagtgcttcc 22980
atatgcccgg tgagctctcc caggtctggc tttcattgct ctcttcacaa gcctggatgg 23040
tgttgatac ctgatggccc ccgggtctct tctctccctt cagggcaagg ggaacatgtg 23100
atctctctct ctctctctct ctctctctct ctctctctct ctctccctct ccctctccct 23160
ctccctctcc ctctccctct ccctctctca ttgttactcc tgcttgtgga gccaagcaaa 23220
gaaaatgacc actgaacagt gaccacgtga caagttgggg aaagataagt agaaaagggg 23280
gcgagaagag gggaagggaa ggagaggtaa gaactatgca aagaaaggaa gaaaaggaag 23340
agaaagggga gggggagaga aaggaagcag ggaggaggac ctctgtacac ctccaaacta 23400
acccttcaag atccaaagag catcttcttc cctgtggccc tccagcggcc cggccttgct 23460
caactctcac agcaaccctg agcggagtgc ttgggtctgc attgcaccgg tggggaagcc 23520
gaggcctggg aggttccaac ctttgtctag aagcacctca tcctccgaga agatcagcac 23580
tgacagagag gtcaccacc tgctctctag ggccacctcc ccagagccca gagaaggatc 23640
ttacctggga tctgtgggcg gccatctaac ccagaaggca tgggggtgcc tggaaatgcc 23700
aggaaaggaa gtcaggaaca gctcaggcag aaatgaaggc acaaaatggg cccacattc 23760
ctggctgaac tgggatcaag agtgagcaca agcttctaag atctcaggct ttcttccttc 23820
caacctatct gctacttggc ctggaaggag gatgccaca gccttccctg cctcacctag 23880
ccttccatca cctccttgcc cctctcctct cttcccttcc ttctgctttt cctttccct 23940
caccctctcc ttttctttct cattcctccc ttctttcatt ttctctacc cttccttctt 24000
cctttcttgt cccctctccc aacaacaaca acaaatccat ggcttttgtt tctaaaatta 24060
tatccgcaca ataacctctc tgccaattcc aggcacacag agccaatgga ccagctccct 24120
ttggataatt caaattgacc ccaagatagc cctacccac ttgtacctcc tccctttgtt 24180
taagaggttg ctctaagctc tttgtttcct gaccgaaatc cttccatggc ttcctattat 24240
cccagagaag tccacacctg actaagcatt ccaccagcg tctgcagcct tctcaagttt 24300
caatccccat ccttcttggg gtggagtgtc cctgttgtac ctttggtaga gatgactagg 24360
gactcatcag attacaccag gacagttgat gtttggtatta gcagcagggg tgtgaggcta 24420
gatgcttatt tgccttgtgg catgcaggac acctgtcagc tgcggagaac ggctcgccat 24480

accaattttcc	cgaagggcct	cgggctcttg	tgcttccttc	tgctatgatg	ctagcctcgg	24540
ctgctgccac	gtgtgttccc	agcctcctgc	tctggcccat	cttcattctgt	ccacagacct	24600
cagtgttgca	aacatggctt	cttcagatat	gtctccctag	ggtgcccccg	cttcaggaag	24660
tacggctgag	agagccatgg	ctctttgggt	cctggctact	ttgagttcct	ccataccagg	24720
agggatgggt	tggagctcag	agaagaccct	gggcatacag	tcttgggtgc	ctttgtgtcc	24780
aggcaactaa	ggcacctcac	ccgctatatt	ttgcaggaac	tttctaagct	gggcttaggg	24840
gtggacactg	acatagaact	tcgaactctg	cagctgcctg	tggattacag	ggaggtaaaa	24900
cggaggctta	ccacaatctg	ggaagatttt	caaccacaag	taagtgatac	ctggagaggc	24960
tgtgggtctg	ggaacctgat	gatgggcccc	gggcctagga	actttctgga	ccttgatcta	25020
gatttgaagg	ctggagtaca	cctgaattaa	agcttctgtc	gtgagattct	gggtctgtgt	25080
ataagtttat	gctgaaacac	gaggtagata	gtaaaagatg	actgggggca	agtggggccg	25140
acaaaatggg	aatctggtat	taaagccagg	aggactctag	gatagctcac	acctatccta	25200
aaaaaagaga	ggccctggat	taagccctgt	gtatggctaa	ttctggctgt	tctgaggaat	25260
ttaaggtaaa	gcgctttggg	cctaggaagg	tctgatgatg	attcaccag	ggttgggtcca	25320
ccttcaaaac	atcctgccag	gggcctgggtg	tgatggctca	cacttttaat	cctggcacct	25380
gtgagtttaa	ggccagcctg	gtctagttta	tgagttcaca	gccccattcc	aaactaacia	25440
aagtaactac	atagtaactg	aatataagca	ctgtgtaaac	aggggcacaa	tgccaggtgt	25500
ggtagctcac	gcctttaatc	ccagcacttg	ggaggcagag	gcaggtggat	ttctgagttc	25560
aaggccagcc	tgggtctacag	agtgagttcc	aggatagcca	ggactacaca	gagaaaccct	25620
gtcttaaaaa	acaaaaaaca	aaaaaaccaa	aaaaacaaaa	caaaacaaaa	aaaggacact	25680
gaccaaacac	tgacgcaaaa	tcctctgcaa	ctgttttcaa	aagaggacaa	ataaagtcta	25740
ataagattcg	attagactgt	tgctagcttc	ctttatgaaa	gtttcattaa	atacaggatc	25800
ctgttaaaaag	ccagcatctc	ccagggtcat	cttgatact	tgctttcccc	caactcctgg	25860
ggggaaagag	agcacacaac	ctcgatgag	ccatttgaaa	tacaaaagtc	ctttttaatc	25920
cagaaaaaat	ggggaaaagt	ccttaaattgc	agatgtagca	tgccctaattc	aacccaaaga	25980
tgtgttcctt	ttgtatcagc	accattactt	aggggcctaa	gcagggtctc	tggaggactt	26040
ggagctagat	ctgttttagcg	gggctctgtc	atcactggac	ctctcttcac	atctagtgat	26100
ctgggtgtctg	tcctgggatt	tctgatatgt	atgtccctac	agcttgttgt	gcatgtgggc	26160
atggactctt	ctgccaaggc	catctttctg	gaacagtgtg	gtaagaaccg	aggctatcgg	26220

gattcagatg taagaggctt ccagccggag gatggagtgt gcctccccgg tggccccgaa 26280
gtgaggctgt ctgttgtcaa catgaaggag gtctgccggc gtgtggctgt tgagaatgtc 26340
gaagtggcct tttcccga tgggggcagg tacttcagga ctccgtgtgc caagtgccaa 26400
acagatggga gagagggatt atccttcaga gtcccttctc tctcctcaag aggctatcct 26460
atgttgtcca tgtggctgct ttggtcacag gcatcctatt tgtcacaggc actgcagatt 26520
aatttaacct cttctccaaa cgctgacagc ccctccccct aagcaccttt cctctcttct 26580
agggataaag aaatacccca ggggagttgg cagtaaggga gtcattgtgg tgaaggtgtc 26640
ttaccactag ttgtttgaaa ggccggctca attctgtcat gaccgcttgc tggtcattag 26700
actctgagcc caagaaccaa tgtctgtctg gagtgttctt aggccatgtc ctttctctat 26760
cagaagagcc aaactcaagt ggtactaggc atgtgggcat ccataaactc atgcttcatg 26820
aaacctgtac ttactgtgtc tggcatcgac aagatctggg agtaatgggg agtttcatgt 26880
ggttgcaggc acatctgcga ttacacctac tacctgtctc tgcaccttgg gactgggcat 26940
ggggtctca tccatgtccc tctctgtctg cactggctct cggccagcct tctgggcaaa 27000
gccttgcgag tcatcatcca agaaatgctg gaagaaatcg ggaaagtcca gactcaaagt 27060
acagcagctt aagggaagca gcagggggat gccttcctta gatgaaatgg agtgtttcag 27120
gcttggaagg agaagccagc tgtgctatga gaggtctctaa aaaagggaaa cagttacaag 27180
gctgggggtg ggggtggggg tgggggtgtg gactcacaga atcacaatct tacttttagtg 27240
tctaaagcaa gaagaaaatc cccaaaggcg gatgcttcat aaaggattaa ctaggggaag 27300
ttatgacctt tgtaactcca aagagccacc aaaacctagt gtcaagacca aatgaactga 27360
ataactctca agtgttcttt gaaaaagatt ttatttatctt gtttgtttgt ttgtttgttt 27420
atttattata caatgttctc cctgcatgta tgctgcatg ccagcccagg gcaccagatc 27480
tgattataaa tggttatgaa ccaccatgtg gttgctggga atcgaactca ggacctctta 27540
agctctcagt catcttccct gctttgtttt gttttatctt gagacagggt ttctctgtgt 27600
agccccgctt ggctgtcctg gaactcacag aaatctgccg gattctgcaa gaaaatgact 27660
ttacaagatt tcctttgcaa ataaaccaag gacattttac atatgacaga gccaagccac 27720
actaaggcag atcaaagccc aagggtggaag ccgggcgtgg tggcacacac ctttaatccc 27780
agcactcagg aggcagaggc aggcagattt ctgagttcca ggacagcctg gtctacaaag 27840
tgagtgccag gacagccagg gctacacaga gaaacctgt ctcgaaaaaa acaaaaaaac 27900

aaacaaaaaa	agcccaaggt	ggactgggat	ggcacaggcc	accagcacag	aacctagctg	27960
cttggtggt	gccttggtg	gagaccctc	tctgtgagca	aagagctcct	gctccaaacc	28020
ttaggtccct	ttgttccagg	agtgggctct	agtgacactt	caggtcactt	ggcacctggt	28080
cagacacatt	aaaagaaaac	gccgggcata	cgccttttaa	cccagcactt	gggaggcaga	28140
ggcaggtgga	tttctgagct	caaggccagg	gctacacaga	gaaactctgt	ttcaaaaaac	28200
agaggcccag	acccaaccc	ccatgagcag	ctcttccacc	ccctctgcgc	ctctccagtt	28260
tctcaagacc	ctaagcgccc	atttgcattg	tatTTTTTgt	aaatagcttg	gcatcccccg	28320
acaatacaca	ctgcatcctg	ttcagtcaca	gctgatagtg	ggtggtttgt	atgcttgcca	28380
gccagtgtag	aacactgttt	ttttgctggt	catttaatgg	ttgggaggtc	tgaagcatgg	28440
ctctgtgttc	atctataaac	ccgactaata	aaaagtcttg	gttctgacta	cccagagaat	28500
gtgtcaccaa	caacacacca	gccaaaaaaa	ggaaagaaaa	aaaagaaaaa	ggtgtagtat	28560
gggccctcag	cttgtggctt	gaatatcttt	ttttgttttg	cttttttttt	ttgggggggg	28620
ggtgaggtgg	gtgggcagca	gtatattatg	aatctagcta	gtaagcaggt	gtttaaaaaa	28680
acgaataata	aattaattct	agaacgctcg	taataggtga	cttagctggg	caggggtggc	28740
acatgccttt	aatgacaaag	ctccgtagga	aggcaggtgg	ctctctaagc	tctaggacag	28800
cctggtctac	agagcaagtt	ccaggtcagc	cagggtcaca	cagagaaacg	atatttcaga	28860
aagattaaaa	aaaaaaagtg	tctcagactc	caaggagagc	acctaactta	aaaaaaaaaa	28920
gacttaattt	tatgtgtatt	agtgtaaagg	tatctcacc	ttagatctgg	atcccttgga	28980
actggagtta	caattgtaag	ctgccatgta	ggtgctggga	attgaaccct	ggtcttttgg	29040
gagagcacac	gtgctcttaa	cctctgagca	atctctcgat	tcctaatagt	cttttaaagg	29100
tctagtacct	ggctggagag	atggctcagt	gatttaagag	tgccgactgc	tcttccgaag	29160
atcccgagtt	caccgagttc	aaatcccagc	agccacatgg	tggtcacaaa	ccatccgtaa	29220
gaaatctgat	gccctcttct	ggggtgtcct	aagacagcta	cagtgtactt	acataataa	29280
aataaatctt	aaaaaaaaaa	aaaaaaaaaa	agtctagtac	cttcctcctt	aaaagcagct	29340
ggctccggcc	aggcaggttt	ttggtaaact	ggaggcatag	taccaatcca	ggatagcaca	29400
gaaataagac	cttcagcgtc	atctagttaa	gtccctggg	catctggtaa	acaaaacccc	29460
cggggcagga	cgagattgga	aggtgtgctc	ttccaacgac	cttttgacta	taaatccaaa	29520
taccatttgg	gttaggctac	tgggaggctc	actgggtctt	gagttgcctc	tgatttgctt	29580
ctgccaccta	tgtctcatcg	atcagttctt	caccgggtgt	cctgattttg	tcactgagtt	29640

ccccattct	cagtgttcag	tgaggcggct	acctactctc	ccaggagtct	agaatgtatg	29700
gcttggttga	ttttccaacc	caaaccattc	atcaccttcc	catggcaaag	atggagagcc	29760
agcatctcag	agttacctgt	gggcaaccta	acgactcagc	accttgcagc	caggaacagc	29820
ccgattttcc	ttggtttctc	ctccagcacc	ctcaggcacc	ccaactgtga	agcactacca	29880
aggacaggaa	aatgcacgca	gcacgcaagt	ttctggcaac	cccgccccac	ccccagactc	29940
acacatacca	aagccaccct	ggccttttgt	caacccaagg	tccagggggc	aagcctgtga	30000
agcagccctg	agacttgtgc	ttcatgcctc	ctgattttcc	tctagctgag	taagtgaggg	30060
gaaagtagct	tcttcaaact	caacagcaat	ttgcatttgg	agaaaccggg	ctgtcagttc	30120
tcgtgctgag	cattccccgag	tgacacacac	acacacacac	acacacacac	acacacacac	30180
acacacacac	acacgaggct	cagcttcccg	gctgtcagtt	ctcgtgctga	gcattcctga	30240
gtgacacaca	cacacacaca	cacacacaca	cacgaggctt	agcttcccgga	ggaagtgggg	30300
gatggttcca	gagtgaagag	gaaaccaact	gggagacaaa	ggtgcataca	gaattctttt	30360
atttaactta	atccatgtgg	tactttaact	actagaaaaa	agcagagtaa	tagactcaag	30420
tggccttagc	tttagccatt	caaaatagac	aaagtttctt	ttttcataat	gtaaagaatc	30480
ccgagtatgt	cgcagtaaca	ggaataaatt	cttacaacag	aatatacaaa	aacattgaat	30540
tttttttcat	ctactgattt	tcttttatat	ataaacagag	ggtttttttt	tttaggaata	30600
atttatacac	agaaagttaa	tttatgtaac	aaattggcca	tattattatc	tttttttagac	30660
tttttttttc	tttttttaag	aaaaaattta	acaagaaaac	tcagaaatgc	attattggcg	30720
atgtgtccgc	tccatcgagc	cttttgactt	ttgttttggt	tttttaaata	ccagaggtag	30780
atgaactctg	gcaaaactct	tacttcaacc	tcactggcat	aggaagcaga	caggggttgt	30840
caccaggcag	gcacctactc	cacctgtaca	tgtgtctgca	cactgcccaa	caccacaag	30900
aaactgaaag	accaaaccac	acccacaaat	ggttcccaga	cctttttcct	gcagtgttag	30960
aaagttccat	gtgttttcaa	caacggtatc	ttgtggaacc	agagagacat	ggccaataat	31020
gcacggggag	ccaaaggaca	tggatcttaa	tttgaaaaaa	gggggcgagg	ggacacacat	31080
tgtgggtttt	gttaccagtt	tgttctgtat	tagaaaacaa	tggaccttcg	gcgttcgcca	31140
ttagatacag	gtaggcacag	cattcggttag	gatctgaggc	acatgtgccc	acgggctgca	31200
catcagagtc	atgtgatcac	tgtgaagcca	ttccagtgtc	ctgaaaccct	cccatctcca	31260
tagtgttgca	gagctaggac	cagccatacc	agccagatgt	caccatggag	tgccatctct	31320

ttgctgggtg gccacacact gctattttcca tggccagcag ttctttccat ctgtttgggc 31380
 tgctacactc cacaggaac agtgagtccc agataattcc tttccccagc aaaggggtcc 31440
 aagatcaaga tactgaagaa tacagaagta ctttttaaac cactggcatt ccttttgttt 31500
 tgtttttatt tttatctgtt ttattttttt ttgttttatt tatttattat ttattttttt 31560
 acaaactaga gcagaaagca tgtgggaaag aggggtgaacc acaattggtc ctggggagaa 31620
 tttcttttta attaatTTTT ttaagtTTTT attttttatt tttggcatat tgtaaagcta 31680
 gctagtaaac aagtgtcaaa aaagaaaaag gaaacaaaga gggggaaaaa agaccacaaa 31740
 cacatatTTT tgcacacaca gagagaaaaa aaaagtgttt ttaaattatt ttcggcaatt 31800
 ataaactaca aacattttat aaaattattc tatgttctta caaaaatgca atgaaacatt 31860
 gaattagttc ttgtaaacca gagcttcgtc aacgactacc cgtaatctac tggacttaga 31920
 agccctattg aaaggataat gagtaattta aagaatggtt tactggaaag atgcagacac 31980
 aatgtggac acacaaatca gtgattatga agttctcaca gaaacaaaaa tcaaatcaat 32040
 ccctaacgtc atgccccaga cgcacaactc atctgatgag tgtgatggag tctgagtcct 32100
 tccgcacgtg acttagctct aaggagaagt ttccagagca ggatgccaag tgtcttatct 32160
 gaaaccaaatt gccacagtt gactccccag cctccacatg ctctgacacc ttcagacacc 32220
 atcaagtcca aatatggtcc atgttcttc caggcccttt aacctctgt cagcaattcc 32280
 cgtcatgtca cgatgccgtt taccaagggg gcttactgca ccgtcactct gtcattccat 32340
 caaggaatgt tcgtttctct aaatcgccaa ctggatcatc aagctggaag cccaaagcaa 32400
 agaccctgg cctgtccaag gtctgtatct tcagcatctc tggcaagaga ggttcaattt 32460
 tacacagaca tcctgtcttg aagttctcat ttgtaccacc acctagttca aagtggactg 32520
 ttaaaagttt gaccatcatc actggttctt aaggggtgga tctctctggt ccaggtctcc 32580
 caatgcagct gcttagccca ggaaatgaaa agacatcaga caaacataaa agtaacatta 32640
 aaaacaaaaa ccaaaggga aaaaaaatc ccaaaccgta aattcattac tgctaaaatg 32700
 ggccaaagca ttttgatgga gtggtcctgt ctctcctgg atgccagtgt ttaggaaagg 32760
 agatgctttc agcactctgt ggccactctc agaggacca acgatgacaa cagagggcct 32820
 tgggtaagca tcctagactc ctcaccaca tgagctcagt gtgacctgc caccactgct 32880
 tgcttacctc aggcacaggc actgccaaaa gaggtgggct gctaaggccg aggctccggg 32940
 agctcaggct ggcttaggac ttggcatcat acagagctca tccatctgtc agcccacct 33000
 aaaaactcct gtataccact ccgccatctg ctctctcac cgtgatcgt tttctagttt 33060

atgaagctgc ttttctacc gttgaacagt cccgagtcac aagaaacagg caggtaggaa 33120
aaagagcaac cttgaacagt cttttatata tcaaggaggg agcctcatcc catctctgaa 33180
tccaatgtta ggacattcct gaaaggagat ggcgaagcgt gggccccacc cagctcaggt 33240
tcagctctat ctccacgcct caggaagggc tgtgtggggg cacacctgga tgttcacgtc 33300
acctgcatgc tgtgcctcag tggttcatgt gacttcaagc agtgtgagct cctatcagaa 33360
ggggggggtg ggtgggggtg ggctcgagt gaaaaggcca cgactcagct tggtaggagt 33420
acttgaagct tgtaaagaga aaaatcagga agaggcgggg aacatcagca tgagatcagg 33480
ctagaactgt ggatatgatg ccttgcaata gtcggggcgc gtcagtccag cagaacgact 33540
gcacctcgt acaagccaac cttttctttt tattgaagtg tttctggagc attagtttat 33600
gacggccact acgctgttgg tgccgtctct ctacttaaag gaaaaaaaaa aataacaccc 33660
acgcaaaaac aaaacaccaa caactcggac agtttcaaaa ataataataa taaggaaaaa 33720
aaaaaacctt taaaatcaat tgaatgaact gtagaaatcc agttgtggaa aaccggcagg 33780
tatgtgagag aggataggcc actatcccag agtgtcacct acagtgtaga agaaaaccct 33840
gatcaaacag tatctcccag tgacctgtg agcatctagg aaccagaga agggcagcat 33900
tccagcagga ggcgaagggc tcctgagctt aaccgaactg ttaggcagtt tctccatact 33960
gggggaaaag attagccacc gcggtcccca gctgaagtcc ccagggcctg taagagcagc 34020
tgctggagtt gaggattgca ctgtccacct gtgagcagca gacggatggg tggacagagg 34080
cagagcacgg ggaaggctag gcgccaacca ctggccttcc agcctcaaga tttggtcagt 34140
ccttgtttag ccctgggggt tgcggggggg gggggggaag ggagggaaga agagggaagg 34200
acagcagcct gcagggggca caggcttcgt cttgccccct tttttatact ggccttctgt 34260
cagaagcaga agggggagct ccctgaccgc tgtacctca agaggaacca atgccaggag 34320
agcaatggtg gcatgccctt gcctcgggtg aggtctcaga ggagcagctg agggggctga 34380
cagggcaccc tgacatgtgc acacattggg actctcaaga caacctacgt gtgggtgcct 34440
cctgccctca aaacctggga gtacctgctc tcttagggat agaatttgct agtcattcaa 34500
tctgtagaga aagttctggt ccaaagtcag ccagctgagg atgggccggg gagccccct 34560
ccactggcgt gctgtgctca tggtgactgc tgggttgaaa agtaggggac caggtgagga 34620
gaaagaccag agttgcccta ggaaaagtgg gcttttgag acagagcagg aagaggctgc 34680
tcatttgagt tagcgttgct ttaaccccag aatccagcct ggccccctct tgcttcacct 34740

gggatatgtgg cctgcggagt ggctgaggtt accaggatca ttggcctact gtcagggtact 34800
 gagaagtgtg agatgtatta tatatatata tatatatgtg atatatatat atgcacacac 34860
 acacatgaaa aacaagagtg aggtagataa atgtttgaaa aacaagcccc cccaaaaaaa 34920
 cccccaaaa ctgtcccatc taatacacac atacacagag atacatgtac cctttcctca 34980
 gcattttaat ccataacagg ggcttttcta cagtgattaa aacagggtatc acaaaataaa 35040
 ttaaaactcc tacatgaaat accttcttaa taagcttccc ccttcctttt ccctttaagg 35100
 gcagaggcta ggaagagcca caagcctgaa cctacagaca agccagacaa ctccagcttt 35160
 ccttcctgca tctaactctc agtcacaact gcaaccatca tcatccaaca gttttcctac 35220
 tcctaattta aatatttcca ccagaagca tctctcgcgc tgtcactgct ctggtaagaa 35280
 gtgctaaatc gaaacaagac aggaccctc cccaacccc actccagggg gaggggcctc 35340
 caagcccaga gctccgggat tctgggtaag gaggaacagc aaggggctct agggccactg 35400
 tagggtcagc tctactccac tttgggattt cgggcccggt agtgggcttt atagcacacc 35460
 cactaaagtt gctgctcctg gccatgggga gttgggtgtc tacatcttgc tcccaggag 35520
 gccaccctt cagacaagct ggttctaaag acagggtgggc ctgcttgtga aggaggtggc 35580
 agatgggcca ctggaccagc tctgctgcat cctggggact cagcagctat tgtgtgtgtg 35640
 tgtgtgtgtg tgaaagatca aatattcatt taaataataa tccaatgact attgtctgca 35700
 gttaaaactg ctattgtatt cccaaattgg ggtgtgtgtg tgtgtgtgtg tgtgtgtgtg 35760
 tgtgtgtgtg tgtgaaccaa agcaaggaga gaaagcaaag tgtgactttc aacaacaggg 35820
 actagaaaca ctaaaccagg atgtgtggga tttttaacct ttttgtttct gacctgagtt 35880
 tgtggcatgc cttgccctgg agcagatgct gtgtgcgggg aagcaaggaa aggagagagt 35940
 agggcccagg agtctgtggg ctctggactc ccaccctccc cactccctca cctgtgactg 36000
 tgctcacaga gcctatgggt tagagggtaa tgaatggggc tgcagggagc aggggaaggg 36060
 agatgtattt ataaaaaagg catcaaacag ttcacggcaa gttatgtcct agaagcatca 36120
 gttgccggag aagaggaaga aaaaccacac tctagtata agcagaggaa gtttcttgga 36180
 gtgagcagaa aggaagaagg ggtagacctg aaagtttcat agattaaatc cacaagata 36240
 aagaacaaaa aaaaaatagc agcttttctt ttctgtaca gatgtataga tgaatatctg 36300
 aactgtaaaa aagttataaa actgacatta aagacgatgt gtatgcaaat gtttcacgg 36360
 ctaacataga actgagagac ccatgaagaa gtcctagtaa cagaccatgt gaaagctcac 36420
 actgcttgga tccactgcct gggcggggcg ctccaggctg ctgtggctct gaatccctc 36480

ctccaacatc cataaccaac agccaggccg agtccccgga accctttcga gtgtgtggcc 36540
 ctcaagggag gggcaggagg gaggtcgggg agggggacga ggctgggtgtg aggaccacct 36600
 tgaccacaaa cctgaccttc aagcttgccc atggccactt cctccagaat tcttgggggtg 36660
 ctgtgggttg gggaggggtg gagaaccagt tctgctttcc ccttcttcaa ggagggcgag 36720
 ttccatcttg tccagttctc ccaaacggta accatgcaac gagacccagg agatgtgggc 36780
 tgggagagcc gggcacagtg gggggcctca gcacgtgtct ctcaaatgtt atcatcaacc 36840
 agacaccatg gttcatccca cgcctctgga caaagggaaa tcagcgcagg gagtatatgc 36900
 gtgtgagaaa aaccaaaccg aaaacaggat tttggcaaaa atggcagcgt gaaaaatgat 36960
 agccacggat gaacaatggc ctttttaaat tttgggggtga ccctaaaaaa ggttaaaaaa 37020
 aattccatct cagtgtgtga attttttttc tttttctttc cttttctttt ttttaaaaga 37080
 cctacggtgt caggcagggtg tatgcggggt gatgaggagc cccaggggca gccattaagt 37140
 caatctgatt tttttttttt ttttaaaaaa gaaggcttcc cagatgggagc ttcacaaaaca 37200
 tttttccact gtaaagcaga aaagagagaa aggagagcgt ggaagtggaa ggggagaggg 37260
 cagagagggg aggcagagga gagaaaaagg cagagaacga agagactcaa ttctcgagtg 37320
 tctgtttgct attaatgtgt gtcattaagg tttgcagagg cccatgtcag ttaagggttc 37380
 gggtaaagga aataaaaagc tgcttgcata ttgaaaaaag gaaggtccca aatgtgttta 37440
 ctgcagagaa gccgtctccc gtgggcagca atggcagggtc tgaagatcca ctgaggtaca 37500
 ggaggtttgt gaatagattg ttacaacctg ctctccccct cccgcccccc cgcccaccga 37560
 gtgggcgcac acacgttact gttggcgcgt gcttcgggtg gtccgaggat cagcaggctg 37620
 aggactgggg cagaggcaag gccctctcgt tggcgcgtcc cccgttcatg tgagcgtaag 37680
 gctgtctctc atcaaaaactg gcgcggagaa cgagcacgcc agggcccggg ccattctcag 37740
 ccttgtgtcc tgagtgtctt tcaggcagag gcaggagggc tgaggaggcc gaagggtcca 37800
 gtgggacgct ctccatgttc tcaggctcca tctccagctc ctctggctcg ggaggcttgt 37860
 tctctcgtct gtagtagaag gagacctcct ggaagctggg ctccatctca tccttgatgc 37920
 tgccgatgat ctccaggaag gagggccgca tcttgggggt atactgccag cacatgcgca 37980
 taagttcaaa cctaaggagg tgatggggaa gaaaggaatg agctgccaga gagaccaga 38040
 agaactgtac cacctctgca ctctctgctt cccatctgga tgctctggc atcctgccat 38100
 gtatcttgcc cagaaccag gccagccac agtgccaagc ccagactcac ttcaagtctt 38160

gggtcaccga ttccaccatg gacggttgta ttaatgatag cactgctaag agataaaacc 38220
 cacttcctgt ctaagcacct cttctggcca cacattaacc agaagaggaa acctctctct 38280
 ctactaatg agaatcacag ctttcctgac aggcaccatt ctctgtatct cacaccaggg 38340
 ctatttctaa gtttcttctt ggcaccaggg cgcccctggc agtgggcctg agggaggagg 38400
 cggcaggggt gctagacaga cggagcacat atcccaagct tgctatctca cgccagcacc 38460
 tgctcactga ggatgtccca tgaaggaaga tcctgtctt gaagatgtag gatgccaggg 38520
 agcagagttc taatagaaac ttcaagtcgg atgccaacga accaaggga gtcctaagca 38580
 tcattttctt ctacaaacaa ggccaaggta aaaacagtat aaagcccatg acgtacctcc 38640
 atcactccca caaggtcaca aacctttgca aagcttcttc gtctcgaga gttacatggg 38700
 ccagctggca cacaggacag aagagaaagg ctgctcatgc agccaccgtc ctgaccagca 38760
 aaggcctggg agtagacagt ggaggagacc ctaagcaagt gaaggtgtgt attgctgaca 38820
 cgtgcaaggc catgtcaagg accccaatgc ccagtccca tgggagtggc aaagtctacc 38880
 ccagtgatgc ttgcttagag agatggtaaa gccttcccct gaggtccgag ttgcaagtgc 38940
 tgacagtgtg tgcagaatat gtccactgtc acgtccttcc cctggaagtt tacagcctca 39000
 agacggcttc cctgcagaga tggctaaacc tgctccatg ttacagtgtg tataataatc 39060
 ctgcttctt gtttatctgc atgcagtaat ctgctctctt gttcaaatat atacgctaaa 39120
 catactgagc ttccagagcc cagtccacgc agtccccgtt tctctatacc caagtgcaca 39180
 ctctttgttc attcccttga tgccctcgtc aagtcatagt tctgcaacce aggccatgca 39240
 gtgaaccaca cctgggctct gacggatgga cagacacaca ggcccagacag aaaacaagga 39300
 cagggtgggc atgattctga gggaaagggg tacctagcag ctctcaatca caggcgtgtg 39360
 agaccaaagc actctccacc tatgtcctc caggaaactg tgttttataa aaactcctgg 39420
 ctcaacagac gctttacact aaaaccacaa aatggaagtt cgaacatata ggaatctcaa 39480
 agcacctga acaggcttct aacattctac caggctgatc actgggccac caggacactt 39540
 ctttacaag caaataatcc cacaggggta aaggcgtgtg aaagcaacct attggtaggc 39600
 atgaagttgc ctgtgcagag aaagccactc ttgccatct ggccagcttc cttggactct 39660
 gtaggatcaa gtcaggccag gtggaaggta gttatcttaa aactgaaaaa aggtgcattg 39720
 gagatccacc tccaagaatt aagcactctg gagggccagg gtgaagccaa ccaattacag 39780
 cggagccagg tgcagcttgg agcctgttgt tagcgggaatt gtaccagagc agagctgggt 39840
 acacagcacc tgtggctgtt tctaagctcc tttgtaggct gagtagttga gacagcggct 39900

gttttagctag gaaccttaca atatttactg cctactcctc tggaggtaaa gaaaaatccc 39960
aattaagtgg ccaatgtctc gacggaggaa aacaaactgg accaaagacc aggctaacta 40020
ggatattctca ctggctctaa gtgactggtc ctagtggcac atgacagggt gcaggtaggt 40080
actaaaagct ctaggcccgg gagtcacgtc agtccccgag agccagagat gtctctttac 40140
tccaatgatt acaacacatc ctcatgtgat gcataaggga aaagcaccaa ccacagcatt 40200
tgatcatttg tctgaagtca cacagggagt gagctggaac ggcgtgaggc tgtcagacaa 40260
tgcagcttta ctgtaagtaa ccatggctct gctagcagac ggcgtctctc cgactgtcta 40320
cagacagtca gatctcctga gccggcttgc tctggtttagc tgctgcagaa gcttgttctc 40380
cccggcccc atcatttccc gaaggattaa tcggaatggg aagcagacac aaggagctta 40440
gctccgtggc caggctgcaa tttcctctct ggctgacagg cctagccctg aatagaaaag 40500
tgcaaccggg ggcaagaaca tgagatgtgt ctggcccaa gcccgtggc caggggtggg 40560
gggtggggct gaggaggtgc cacgggcagg gtagggatga ggtgacatca gtaaaaaca 40620
gccatgtgat gcctctttta aatcatccca gagtcagccc ttccagggt gcccataaaa 40680
ggaagtcttt tttgctctgt gcgatttaag accttgtttt ttttttgttt tgtttttttt 40740
aaatactctt tccacaagaa aactctccag tagactctgg gattaataag ctgataaaat 40800
gctccctcta aaaagcacac tttaaaacca ctggacagct ctgatgagct ggagccgcga 40860
tttacagaat atgtccctct gtgaagggtgc acacctatcc ctctagaagt gagtgtctatc 40920
ctgggggtgta cgcccaccgc tatgccatt cctcacttgg cttctgagcc cccaagcaca 40980
ccccgtgtct tcagctggac aggctgccat ctatgtgagg cactggcaaa ctgaaatatg 41040
cccaggacct catgtataca gtaccctgc tgcgcctgt tagtactgta ccaggtagta 41100
gtgactctta gcagggatca gactttcaga agggcctacg ggactgagtg ggtcctcctc 41160
tagcatctca agcaactaag gttgttttag ggccaggacc tagacgggga tgctatatag 41220
cccagttgct ggcacacagt cgatgccagg gaccgtccag cagacactgt cacctgcctg 41280
tgatgactct attcaattta tctcgacaaa accagactgg gattcccagc ctctggggg 41340
tggagaggaa aagtacagaa gtagtcagat tggactgagt atgtctcagc tgcatctgag 41400
ctgggtgacgc tcggctagta aaacgttcaa gttccttct gaatcccga tcccgaagac 41460
ttggcatgtg agctctggag atgttaatgg atcaaagtga tcaattctgt ggctgagctt 41520
acatcgtcgt ccattctgc agcacgaggg ctggaacctg tttcaggatc tccaggttcc 41580

gtgaactctg ggactggccc ctgacctcag cagggttcac tgacaaatct gtgtccaaag 41640
 ccctgaaacc caggggtaaa gatgggaatg ataggctccc ctgacccagc ctcacagaat 41700
 ttgctagatc aattcaaact gagctattgc actgacagtc agacctggat accctggtgt 41760
 ttggtggcag cctttcctct aaagctagaa cactttgtaa tacacaaggc tggatactta 41820
 gctactcctg aagcagactg gttcatgtgt agggacgacg agaccaaagc atggccagag 41880
 aaagggtgtt tcctgcctca gaaccacacc atggaagtcc ttcctctacg tgtgagaccc 41940
 aacaggcttc agactactcc caagagtgtt tgcttactgt gccaaaaaaa aaaaaaaaaa 42000
 atcctttcac agaacacatc ttcctctcat cagcgtctca gccaaatcag ggcaccacac 42060
 tcctactggg agcagcccgg ctcccttccc ttcactctgt tcttttctta gaaaggagac 42120
 cgatctgcca aggggggttct gaatggcaaa gcaaaaaggc ctctgaatc aatcatttcg 42180
 catccaagag cggcctccgt gtgtaagctt cctcctctct atgctgggaa caggaagtcc 42240
 actgcctttc ccatagcagg tggctccttc ccaagcatat taaattcata ccaaaaaaaaa 42300
 aaaaaaaaaat ccaggcagct ggggatggat caacttcagg agttccatga gtttctcaga 42360
 caaatgtttg ctccagcata aaagaaaaga aaaaaaccaa caatacctct cctgtgacca 42420
 ggcccaaacc acaggaacaa aactcacacc tgctcttttg aacggtttct cagctcgtga 42480
 gacagtgtg atcctgggat cctaaccaag gctgggtggg cacaccctta cacagactca 42540
 gaggcagcca tgctcctact ccataccttc acctttgccc acatactgac tattctcgca 42600
 atggacgagt aggactgccc tgcaccactg aggtcaaagt aaagctataa cagcactcag 42660
 aaccagagc ttctctagga agggccctg catcctgtac gccttcggag gtcagtttag 42720
 aaaggccaca gtggcagtgt tctccgtgaa gatgctgcag ggcacagcag gccacggacc 42780
 agtcagtggc tcaatatggc ctgctgtcta ttcagttttg taaggccctc ccaagcaaga 42840
 gggttttttt tttttacact tgccaacagc tggggcaaaa acaaacaaat taacaagtcc 42900
 cccacgccc acccccaaatt aggagtattt tataagaaga aaacgagagg aattcaaatt 42960
 ccaatataaa gtttttagttg ggcaccagca gtaacactgg ctgcaatcca agcactaggg 43020
 gagtttgagg caggaagatt atcctaaata cctgggctac actgactcca tccttgttga 43080
 ttcctgaatc atagtggcag agcagagggg ctggaaggaa gagtgagcgt gcggtcccca 43140
 gcaccaccaa tcctctccag tgtattagag aaatcctctc agtctatgga gtggtccaca 43200
 gagaagccac ggctctccc actacacaga accatcactg ttcctaccgc cctgtagtaa 43260
 atccgatctc cttacaatca cccacgtac cggagtatct tcatctgcgg gaagccctgc 43320

ctctgaccag cagctatctt ctggagaccc tgagctagct agtgtcacct catcgagctc 43380
ctcctagggt tcattagaaa gcctgtgaga tgacattttc aactgttgga gcctcacggg 43440
ggacgatgct agccacaccc ttgacatctc aagattcaga gtacagtcac tagcacctct 43500
ctgtgctctg cccaccacct gcactgcaag cccaacctct ccatctgtac attgcctcac 43560
catccaaggc gccacgagag tgagcgctgc gctggggaag agaaggccag gggtaggcag 43620
agtcttttgt gtagaagtga agaaatcttg acaaccccc tgggattctt tcaactagtg 43680
agctgaacct gttttgaagt gtttctggga aactgtatgg gtcttgacat atcagtggga 43740
acctgctttg atgcttaacc ccgagatgca gagcaacagc cgagccccac cttaacgtgt 43800
gcacatcaaa tgcaagtcca ctgctctcaa cctgtactcg atgagccaat cggaataacct 43860
tcatgtcttc cttgaaacct cactccaaga agtgccattc tcggggctgg agagatggct 43920
cagcgggtaa gagcactgac tgctcttctg aaggctctga gttcaaatcc cggcaaccac 43980
atggtggctc acaaccatcc ttaatgagat ctgacgcctt cttctggtgc tgtctgaaga 44040
cagctacagt gtacttagat ttaataatga ataaatcttt aggccagagt gagtggggcc 44100
gaccggagtg ggcaaccttt gtcccagca accacattaa ggctcacaac catcagtaca 44160
gctacagtgt actcatatac ataaaataaa taaatctttt aaaaaaaaaa aaaagaagtg 44220
tcattctcca gaccactga gccaccaaca tcagatgaca aagaaagacc tctactcaag 44280
agagtacaaa taaaaggccc acatgtggaa agattcttcc ccaatttttg caacaccagg 44340
taacttctga ggggtggagc ctaggaggct gccaggatcat tagaaagtta tcttcaagat 44400
ttaggactac agcaggaaga ttgtgaaccc ctttaatgca ggggttctca accttctaa 44460
tgctgtgtcc cttgacaca gtccctcatg tcgttgtgac cccaactat aacactactt 44520
tataattgta atctgtact gttatgaggc aaaatggaaa catctgtgct ttctaacggg 44580
ctcaggtaac tcctgtgaag gggcaagggg tcacgactca caggtagaga acggcttctc 44640
taatggctcc ctttacttt caagccacaa agtgagactg tgcgctctga cacacctttt 44700
ctaccgtaac agttacctg ccacaaatcc aatggacccc actgccgctc ccacactggg 44760
agccaatgtg aaatgcttct ccttgtaagc tgtttatctc agggagtttc tcgagtcaca 44820
ctggctgagc acggaggtgg acgtgacacc acgtgtgtac tgccatcgag tgacaattct 44880
cacaaccaat cgatgcagga tgttattttt aacagaagtg gagcgaggca accatctcac 44940
caaccccccc tagggtgtgc ctacaagcat gtccaaagag ggatgagctc aaccgtgctg 45000

taggtccatg	cagctcgaag	ggattaagaa	gacagcagat	ggtctgtgac	cttgtgctgg	45060
ggctctctga	gcttttagtct	acccgtgcaa	gagagtgact	cctgaccaca	gagctctgtg	45120
tgagcatgct	gtatagacct	tccaggggct	tggggagagc	tttcaaactc	ggctcagcag	45180
tagtaactaa	cttgcatttt	tgtcttaaaa	attaaatttt	gcatgaaaaa	gatgagccag	45240
gattgctcat	gtatttcaga	gatgggagat	gggggggggg	gggtagtggt	ggctgagacg	45300
cacgccatgg	tgcaaagtgc	caattagcac	tgggggggacc	aagggggcac	aggatgagat	45360
taaggagcag	cacaaagtca	cagatccaac	aagctcagca	gcagcaggat	agagcctttc	45420
taatcctctc	ctgtaccac	acacaacgga	gtgggtggct	ctggaaatac	atacagcata	45480
tcagggcagt	tgtccggctt	gtccagaagg	ccaccctcca	tgacgaaacg	aagaacttgc	45540
tcgttggaca	agccctggta	gggctgctca	gccagcgtgg	cgatctccca	gaggacgacc	45600
ccgaaggacc	tacaggtgga	acagaacagg	aacagctcag	aaagggatgg	gaagggccat	45660
gtcccctcct	tgccagcatt	tcttagactc	tgggtcctga	aaaaaagtgt	cctcaatgtg	45720
acgactgcac	tttgtggaca	tcaaaccagc	cagcttgcta	cggtgtgggac	atctgttccc	45780
ctttgtcact	gctaaggctt	cctatagggc	tactgcaacc	cagggctgag	gtaattaatg	45840
ttaggggctt	ctaacatctc	tcacagtttt	aagagcccga	tctacagcgg	acacattcag	45900
tgtctggtec	cagccattac	ttggacataa	gccaaattag	ctctagttca	gcaaggaatg	45960
cagaggacca	ggccccagcc	tggccactga	cctgagacag	ctaagcatct	caactatctc	46020
ctgcagggat	ttctttcatg	ccagcttaga	aatactgatg	ctaattggttc	tccacgcctc	46080
cgcaagaaga	atctgatcag	ggttcttaaa	acaatgggta	tcttgggctc	tccaaagcaa	46140
ttctgacctg	ctggttgtag	ggtagggagc	tgggcctgga	atgtctcaaa	gttctgtagg	46200
atcttgactt	gggtcaagga	agatgaaaac	tcgtcccctg	cagaactcag	gagccatggc	46260
tgcagaggtg	gctgtgtcag	gaaggggaact	ggggtaggat	acactggcca	gggggtgtgt	46320
cgcaataaca	aagagtcctt	tggctctagag	gctggctgag	gtatgaactc	atcaggcgaa	46380
gcagcgagga	ttctactgcg	tgaggatatg	cctgtcagcc	cagaagatgg	aactaaagga	46440
gatccatgca	tgcagacact	tcagacagac	aatggtcaca	ctgtcgctca	gtgtgaacac	46500
accttctcag	ggagaaccct	tgctttcaca	aaattcttcc	tggcctgtct	gctcttatgg	46560
tcaggctgta	tggctagaat	gaagaaggct	gcccattggc	agccaacaca	aggcttcgga	46620
tggaacccta	gcagggctga	gccccacaga	agagcctgag	gcggccatct	tccacttagc	46680
actctgagga	tcctggccta	agctggagca	acagcctctg	actgcatctt	aacttttggt	46740

tcgcagcttc	agtttccttc	taggaacaaa	agggttttgt	cccaactgat	gctaagcaat	46800
gtcagacagg	aacagaacct	cagcaatcag	acccaagttc	cttgggaacc	ggcagtcact	46860
aagacagaca	gtgcagttac	ggttttcaaa	gacctggccc	tagagaagca	ggtttcctgt	46920
gtgtttcagg	cctgggttct	gccttgacaga	gcctttgtgg	acactcggag	gcattcttta	46980
gaggctgcag	tgctcacctc	catgtctgaa	tccggcctga	gacaagcagt	gatgtatgtg	47040
gttttctctt	tttatcaacc	ggctctgacc	aggttccctt	ccaagccgac	tccccttgtc	47100
tttcatgctt	tccctgggtg	accacagget	ttcaggcatt	cagtcacaat	cctggccccc	47160
agctcttgac	tgccatgtct	agattgctgg	ttacttgact	ctacagactc	agcatgtcag	47220
ctccagtgtg	actcttgctg	gcacctgtt	ctcctcctgg	actccctgca	ggccaacttc	47280
ccattccatc	ccaccccatc	tcagcagcca	gtctgctcat	aggacggaca	ggaagataga	47340
gagtataaat	cagaaagaac	gaagacgtgt	aagggtgggc	cttcctgccc	ttgtgaggga	47400
ggggacagtc	cctgggacat	ctccccagaa	gctcaaataa	cagctgtgat	aatgcagat	47460
ggtcaggggtg	tggtctgacc	tgaggacacc	tcccctcacc	atgttcctaa	ggctctctac	47520
caagtcaaac	aaaatccttc	caacttttct	ttggattttt	acctacttct	gactgtgaat	47580
tcattctaaa	atgactgcaa	ttcctctagc	aagcagaggt	tcaggcagag	ctgagcatcc	47640
gtttatacgt	tctagtgtcc	ttgatgtccc	cagctgtgtg	ctcaaacacc	ccagcacttg	47700
gccttttctc	ttcacgcatt	ttcttattgg	tttgtaatgg	ctacgtaatc	caagtggagg	47760
aaacctgcag	gaagcacctc	gtgcgcctct	ggctgtggca	tgcagttgtt	acccagagtc	47820
gggggagaat	gagtctgtgc	tcactctttc	cctatcctgt	aagggtgatct	ccaagcttcc	47880
agaaaaatga	agcttagaac	aaacagatgg	aagtgtggcc	ctaggtgtgc	cctctcctgc	47940
gacctcatct	acacatggaa	cagagttctt	tgattcgaca	gagaagatgt	aacctcggag	48000
aggctaattg	cagagcagac	ctcatcctag	agtcgggaaa	caaccaggcc	gcgctgggtc	48060
atattcaaag	gctatttcca	atttgcacct	gtcttccaaa	caagatccaa	ggctcttgac	48120
cgggaaagggt	tcacgaggct	aaagaactga	tgtcagtcac	tactgagata	gtttctctgt	48180
gtggatcatcc	gccctttgaa	taaaccaacc	accgcttctt	ctgtgacaca	acagcaacgg	48240
gatctcccga	ggagacagcc	aagacacttg	ctgacattcg	aggaggggga	cgacgtgcc	48300
gggctcctgc	ctgccaagaa	ctccagttgt	atthttggaac	ccgatgacct	ccacacgggtg	48360
tttccaagga	actgcagtaa	acattactac	agagaagtct	ttgcaccctc	tggtcagttg	48420

gctactaccg caagacactt attattaagg aagatgcttt gggtcaggaa taatggacat	48480
cgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgaacaga	48540
tgagaccaac agaaaaccac aaccaccaag actcaagttt tgggttttaa taaagcactg	48600
ccttcaatct gaaggtttcg tgagctgcgg caggagcaca tacataccca gtaccaactc	48660
actgagagtg gggaagagag acgggggaac aggcagaggc gaaggcattt cccagtcctt	48720
tggaaatata atcaatattt gctaaaaatg gaaggaaatg ttggttctac ctactccttg	48780
gcttcccaca gatacctttt ttgctttaat ggactccaca caggaatata taaaagacaa	48840
agggctaaac ggcaactgaga gctgaactca aggcctggcag ttggtcacag tgaacaaaac	48900
aaggaggaga atgagccacg agtgagaagg tccaagctgg ccatggaggg aaactctcat	48960
accagacatc agaatgagta gtgaagacac catccttgag ggactcggga gacatccagc	49020
gcacaggcag caacccttc ccgcctttcc ggtagtagtc cgtctcgtag atgtctcgtg	49080
tcataccgaa atctggaggg aagatgcaca gttactcggc tggaccaggt cttggggcag	49140
agccctgtcc tccccccat attcaagggtg agacatgttc ttgctccact ctgagagggc	49200
tctagcatca cagccacttc acaggagaat acaagacatc tctggtcttc atcaggctcc	49260
tttaagaaat taactccctt ataacattta aagcgagagg cagtttgcaa aatcattgag	49320
taccatgatt tttcaagaaa atatacgccg cacaggggtga ggatatagtt ttaaagtttg	49380
gtccaataca cgggaggatg aagaccccat ttacttggtg gtgtgtctct actgctgagg	49440
aaaaggcctt ttgccactcc acagaggaca atgtacgaag taagaactca ggaagataaa	49500
aggacagcaa acagctgaga tgttcttcac caggctcctg gagctactac ccaacaccct	49560
ttcccaacac aatactctca ctcagttttg aaaatgtttt ccattttctg agtttcatca	49620
tgggtgaatgg caggcttgct tttttataat ctcacattac tgtgtcttta tccatttttg	49680
attttccact caaccgcacc acctttccct cacataaact cttgcattct ccttccctgg	49740
agggaagagc tgctcaacct ttaaaatgtc cctcgcacc tctaagtggg gccacaaaga	49800
ggtgaggtag aaaaaaggca gagcaaacc atgtaggggt tgctctgcat ggatgttaac	49860
ccaacacaat tgacttgac cgctgtctga gctactggct gcctctcttg aactgattta	49920
gggtgtgtaa tccctgagat gggggcactg ggggacactg aggaatgcag aactcgcccg	49980
aggaggaaaa aggaagtgtc taaatctcat ctctgaatta atccagagac atgcaaata	50040
gaggatctgc tttgacttgc ataaaagggg aattctagaa aacaatctct ctccctaaat	50100
gcaaaagaaa aatagaacaa cccctcttc ccaaagggc acacacaatt taattctaaa	50160

aagaaaaatc ataattataa tagaaaatat cctcataaat gcgccacatg gttaagcaga 50220
aaatataatc cttactgatt tggattttaa atggcaaaaa gcacacgcac acacaaaagc 50280
atTTTTccaa ctgtaatgca aaatgggacc aaagcagcct ctcgaggttc ctggctgtgc 50340
tgagaagggc gcacagcagg gtaagatgag gacaggggca caggcttgct gtcccagccc 50400
gcctcctcct ccagctctgt cccaatccac tctcactcca cagggtggga aagatggcac 50460
agggagggaa ggcacctgcc tcaggccact caggagcaca gtttcctctg aggactaaaa 50520
tctagatccc cacacataag ggagggatgg gaggcaggaa ggaccacaaa ggctgggttaa 50580
gaggatgcgc ctcttatcta gaaactctgg ggcggggtat cctcttaagg gctgcccacc 50640
aagctaggct cccagggctc caaatatgag tgtacaaacc cagagacagg ctgggggtat 50700
cttcagtaac tccaatgact gacatctgtt ctgtaacaca gctgcatgcc aacacccta 50760
actcctgcaa tcagcaaaga agagagcccg actttggata cctctctaga gatgacacc 50820
atcgcttact aagaggccgg aatggctcat gcaaaaacca cttctagggc tgaggcaagc 50880
agaacatctc caggacacaa gctcaagagg cgccaaagg ttagtggctg atcgcttctg 50940
ctacatcgtc tgtccctctg cttgttctca ggatggacac ttgttatgtt tctgacctgc 51000
tgccctatcg cagtaggaag gtaaagtata tgcaggatgg tttctgagc aaccttggtta 51060
ctactTTTTT tttttTTTTT ttttgaagta aaagacaaaa aaacaaagcc aatatacaag 51120
ctgtaaggct ggggagaatt tctagccaat gaccagagat gtaatgcaat cagtgtttta 51180
ggatcacaat gtgttggcag caacaaggta ggctgagcag ctaaggctcat ggcaggaagc 51240
tatgcacgac agaacggcca agtgcttggg gctaccactg aaggatgcac ctcaagtggc 51300
taaccagcag catacatcag gccctcggtt caattcctgg cagcaggaga ggaggagaga 51360
acttagagcc gaccagtcct atgagtgaag agcagtcagc agtgatctcc cgcgactga 51420
catgaccacc atataccctt cctgttacac tatgcagggt ttcaccatag gggcacctgg 51480
cctcttagga accccatggg cctattcagg gacaatgctc tttgtaagct gagaaacttg 51540
aggggtggac tggatggtga cattctcctc aagccaaaac cacttcagga agcaagctgc 51600
cccgattatt tctgtaacgt ttgacctggg gagcagggcg ccaatctgga ctaccatgtt 51660
aaggtgctct ccgggttaca gccaggaata gacagtcaca ccgactacat acatctttgc 51720
actcaagggc gaggcactgc tcctctcgga cataatgaaa atctctccag tggcagacta 51780
atgactgcaa agtccctca gcacctgtga gttcagttta gcctgtgctc caatctggaa 51840

agcaaaggac	acacctccaa	ttttgactgt	gaaatcttcg	gctaccatgc	agttcctagc	51900
agcaaggtct	ctgtggacga	acttggtggc	attgaggtag	gccatgccat	ctgcaatctc	51960
tccagccatc	tggatcatct	tgcttaagct	cggaggaatg	aggactagat	tattctgctg	52020
cagattcaaa	acaagacaaa	gccatgagca	acggagacct	ttcccccta	acctcctgta	52080
ggtctacact	aggagtcgta	aatgcatatt	tacttagtct	gagtaccaca	ggtcacctgc	52140
agggagtcag	gacttgctaa	gaaggactag	cacttctagg	gaccagcaat	ctcttttccc	52200
acccccctcc	atgcatgcat	gtgcatggat	gtgggggcct	gaagcttatg	ttgggagcta	52260
ccttctaccc	actggttgag	gcagggtgtc	cctatcaaac	ccaacctggg	caacatagat	52320
tgctctgggg	atcccaactc	atccttccaa	ggctggaatc	acaggtgtgc	tgccacacca	52380
gcccagcctt	tacctggctt	ctgacgacct	gaactctggg	ccttatgcct	gtgaccaccc	52440
cctccccctt	agtcttttct	atgtggagca	ggacaaaaat	gatttgaagt	gaatcagcaa	52500
gttttaggcat	taagcattct	cagctccagc	tagtttccat	gttcctttgg	cttcgccat	52560
caccaagtgt	gagtaagagg	aaggacagag	aaccgtaca	aaggccacgt	gaaacagaca	52620
cacttcttaa	gtggattacc	acgagctttg	cttcccgctg	aagctgccag	gacttattcg	52680
tcttcattcc	cttcttctaa	ggtacaaaga	taggaagact	aatgctttcc	tcttggaatta	52740
ctgttttcta	cgggcactga	ggataaccac	agttcaggtg	gagttcacct	tggaggggac	52800
caaggacact	gagcagcaat	gaggaccaat	atcatgtctg	aagaggaggg	caagatgctg	52860
ccttaggaac	tgaaaagaat	taacctaaga	agtggtaaaa	tcataaaca	acaaacaaac	52920
aaacaaaata	agataagatt	tatgtctaag	aggctgatga	gaatggctta	gtgggaaagg	52980
tacctgctgt	caagacaggg	ggcctatggt	catgtcccaa	gacaggatat	gtaaaagatg	53040
aaaaccaact	ccctcaagggt	ctaagtaggt	atgcacatgc	atatgcatga	acacacacac	53100
acacacacac	acacacacac	actacacaca	tacaaacata	aaaaattccc	aaagctccgt	53160
caccccactc	ccatgtgcaa	aaccaaccat	gacccttatg	cctcagtttc	cctaactgaa	53220
aacctttctc	tacaacacta	tgaagccatc	tcatttctta	atgtatctca	agtcacagga	53280
gagcatgacc	aggcttggag	atcacactat	ttgggctagt	atataggccc	tttgtgctct	53340
gaccacgatg	aacactcaag	agcattctgg	ctcttggcca	gggttgctaa	gttctcagca	53400
gatgccagac	tctaggaggc	cagcaacagc	cctctagcac	gtccaggagt	actctccaga	53460
cgacatggca	tgtgaggacc	aagttgagct	catttatcta	tttaaccatt	ttcactctga	53520
tccaggtctt	cttctataa	tctaggggat	gtcctcagag	gatgtgccat	cacaggtgct	53580

tccttgtcac gctgaccttt agcacccgtta gggctcttaca tacacatggc aaagcaggac	53640
ctctgcagtt ccgtgacatg tacttatagg ctcatgacac atactgcagt gtatgtgtgt	53700
aatgttgtgt aactgttcaa caaagagctg tcacttaaca tgtgaaaaac aaccaacaat	53760
ggggacttaa ttatgtgcag gaaagggctg ggctgacatt ttgtcagttc atggtaatat	53820
gttgtcattc ttttcttcat ctcgagaaag aagaaatctt tagttttgtt agagcctctt	53880
aaggtgagca cacatccata cacttatcta agtaaataag caaacagcaa tggggggagg	53940
tagaatacgc tgaagccggg gtgtatacac tgaagctggg tatatatact ggagctaggg	54000
tatatacact gaactgtgga gtatacattg atgctaagat atatgtaagt tattttttta	54060
aaaattctga catgagttag acaaaattta gatctgatga atttaaagat taagttttac	54120
ttccgaaaga gactttcgta atccaacctg tctctttaca ttgaattaaa attttgtttt	54180
atgtttgtgg gtgttttgcc tgcattgtgtg tttgtgcact acctgccac ggaggcccat	54240
ggaggccagc agaacagtga ataccgacag ttatgagccg ccacgtgggt gctgggaatc	54300
caccaggggt tctttggaag agcagccagt gctcttaact gctgagccat ctctatagcc	54360
ctttctctct ctacatgagg aagcggaggc ccagaggcat ctgttaactg aggactggag	54420
gtaaccaatg gcaaaaacag ccccgagagc acaagttacg ggtttactct gggcatgtgt	54480
caaaggcatt aagcacattc tgatgttagg aggtgcctta aaggaccact ctccagtctc	54540
cttctgtaga ctgggtatta ctggggtagg atgctgctgc tgggagaaac aggcatagct	54600
ttgtggctct gctatcaatg catacaccgc cttgtggctc tctcctgaaa cttcagaaac	54660
acacatgagg acatttgtga acaggtactc agaactaaaa tgaaggaacc atccatcact	54720
tggtagatga ttacgttgtg gaggaaaaga aaacgaaagc ttctacagag aaggggagca	54780
aaccagaaa gggcccgaga agaggaaagt ccccttacag cgaatgcaga gacaagctgc	54840
ttagttagcc acaggtatca aagccagggc cgaagtgaga gcctcagagc ctgaggcagc	54900
cccatgaaag gcatttggtc cagcaatatt tctcaacacc cccatcagtt aactcttagt	54960
gaggacttag aagccaaact taagccaggt gcttgtggtg cataccttta atgccagcac	55020
ttgggagaca gaggcaagcg aatctctgag agttcgaggc cagcctggctc tacgaagcga	55080
gttccaggac agccggggct gcacagaaaa aaaaacaaaa caaatgctg tctcaaaaaa	55140
caacaacaaa acaaacacaa aaataacaac aacaaaaaag aagtcagact cacatatgct	55200
aaaaagctgg ctgtgggcta acacaacaga aggggacact ccacagtgac taatcaaaaa	55260

attacacagg	acctactcag	gttcacagtt	tgaaaatctc	actagcctta	agcagaatca	55320
tgcagctgga	atgggttatca	tttaaaagcg	caggcacaat	actggcttat	tgcctagcct	55380
ggggagtagg	ttcaggggttt	gagaagtgtc	tgaagcagtg	tcggggcaag	gggagagcag	55440
tgtgtgccat	caaggtaagg	atagcatgct	cacatgtaca	cgtgtgtgtg	tgtgtgtgtg	55500
tgtgtgtgtg	tgtgtgagtg	tgtttgtgag	tgtgtatgcg	agtgtgagag	tgtgtgtgag	55560
tgtgtgtgtg	tgtgtgtgtg	tgtaatgggc	tcctgaggaa	acagtggctc	cgtgcacaga	55620
ccgggctgcg	agtcactctg	gccaaaacct	ctgacaacct	gaagagtgc	ctttattgag	55680
tacttactga	aaaggttacc	agccacggtc	atgacctga	ggtaaagaag	aggctcacc	55740
cgaggacctc	gagagtaaac	gtatgctagg	cagtcaagtg	tactggaaag	tcagtggggg	55800
aggccagccc	ggcctgagtg	ggaagctgtg	ggaaggggtg	gccatgacac	gtggtagagc	55860
agctgggggt	ggtgtaagat	gtaggcaggg	gtagcgggga	tgcagaaaca	agagcacaga	55920
gatgctggag	gttgaatggg	tgggatgcag	agacagacct	tccaaagatc	ccagtctgcc	55980
tacacttgga	caatcctata	tagagggaac	tgacaagaaa	gcatactca	aggcactcaa	56040
ggctgagaag	caaatggact	taaagacacg	tttctacaa	gccagctcct	gaaaaaagtg	56100
gaccaagcaa	gataacacag	cgaggaacaa	aactgacctc	cacttctggc	ctcagagacc	56160
ggagataact	tttgagatca	ccgcgtgtca	ttagttccat	gatgaccagg	gtgggctggc	56220
cttgggatac	cacaccagc	aaccggacct	ggaggaatca	agaaaaggac	tcagaggggg	56280
aggggggcat	cccacatgat	gacctacgcc	tctcggaact	gggtggtgct	ggggcctgta	56340
gccaggagca	gagttctggt	gggagggcga	gggcgaggct	cccacctcaa	gggtctgtgg	56400
gtggcaagaa	tgcaacgggg	aaactaccca	ctgggaagag	ggcaaggcaa	caattcgtag	56460
ctggccaagg	acatacaggg	tggtcctttc	tgtccatact	ttctgtccat	gtctcatctt	56520
ggcttcttac	cacatgggtga	caattgaact	ccttcatcac	cgaggcctcg	ttgagaaact	56580
cgattctttc	acgcatactt	gcagcctcgt	ttaccgtctt	gatggccact	ctggtttcgg	56640
gttcatcctt	gaccacaccc	ttggccactc	cttcatagac	catcccaaag	gacccttgtc	56700
cgagctcccc	gttcatgggtg	atcttctctc	gagctacctc	ccattcatca	ggcacgtaca	56760
ctagtaacag	acaggatgga	aacggccctt	agacagagat	tacaagatgc	tgttccctaa	56820
gaccaccaa	ggagaacatc	aaggtacaaa	cagtccagca	cgggtactca	atctctgagg	56880
actccatgac	actttgaggg	tggtactcgt	agctaagaac	cagaaggaaa	ccaagaaacc	56940
taagatagga	aaaccaaadc	aaaccaaaca	acagtgggtc	ctttttcata	tccttggcaa	57000

aacccaacc	caacaaaata	aaaaaagcaa	attagcccta	agagacaaag	aaagtgggac	57060
ttctgttttg	cctgtcttca	tcaagggatg	gaaatgtagg	tcagaagggg	agaacagtgg	57120
gaggggaaag	gaccaaaggg	ggtcaaattct	cctcctccct	ggatgaagcc	agaggtgaga	57180
aacatcctct	gcatggcctg	ggtgccagtt	tacaggccac	ccagccccac	tgtaggcctt	57240
cagcgcttga	agtcgtgctg	gaagtaagac	atatactgca	ttttaagac	ttgcttaaaa	57300
caagtaaaaa	aagataactt	ttaaaagatt	ttaaaattta	cgtatacatg	tgaaaatctc	57360
tctctctctc	tctctctctc	tctctctctc	tctctctgtg	tgtgtgtgtg	tgtgtgtgta	57420
tgagcacaca	cacatgcaca	gatgtgaggg	accacccgtg	tttgggtgcc	tgggaaaccc	57480
agaagacagt	gttggtctct	cggacctata	gttacagatg	gcgggaggtc	tcttcacaga	57540
ggtgctggga	actgaattag	agttctccag	aaggtcagca	aggctctcaa	ctgctggggc	57600
catttttttt	tccagctttg	tattccaaag	acttgggtta	agcaagttta	aaaagatagc	57660
ttttatatta	actgttggat	gttgtgggct	aatgaaaaat	tctaacagat	ttatctcatc	57720
agctttttaca	cttaaaaaaa	catggctact	agctgggtgt	ggcaacagga	aactgcagtc	57780
ccaccccagc	ccactgggca	tggaggttgg	agatggggtc	tgctgaacta	aaggcatctt	57840
cagattgtgt	ttcaaaacac	caagacaatg	tgtcagccgc	ctgggatgtc	tatcagttca	57900
cgcacttcat	tccacttctt	ccatagccat	gtccgacaac	aagctcaagg	tggctgagag	57960
ggagaaactc	agtcaacact	aaaggcagag	actcaagaga	agagtcctca	gccatcaaaa	58020
gaaaccgcag	aaaaggagat	gagaggccag	ccccacccc	cacccccgca	gagcgctgag	58080
gtaggtcttg	tgactacaa	gactgtctc	cctatattcc	tccatacagc	tgtttaactc	58140
tggaagctgc	agaggttggg	tccagtttaa	cacaccctgc	tgcccctttc	accgagatct	58200
agtgacgata	cagactgcct	gcctttttcca	cctgagagga	aggagaactc	acacgttgat	58260
gaagaaaaaa	gcaggggttg	gagatgaaac	ccaggggttca	aatcccagat	gattcaaggt	58320
gctctacagg	ctgtaaaatg	cagtttaatc	ccagggctgt	gctgtgttgt	ttttcaagtg	58380
atttgactta	gtggaatgca	tactgtttta	aaaccatcaa	ttttgtgaat	ggctgttttc	58440
cctgcatgca	tctgactgt	acgcacatag	cacctgggtg	ccactggcac	gtgggttctg	58500
ggaatcaaat	cagggtcctt	ctagaaaagc	agccagtgtg	tttaactgct	gagccatctc	58560
tctagccccg	gaatgcatga	aagtattaaa	acttaacaca	agaagccaaa	ctcttgcccta	58620
acacaggtga	agcctaggag	cccccttcca	ggggatctct	agtgagggaa	gtgagcgctg	58680

ggatggaggg ggactcagta gtgacccac ggctttggcc tgcactctgc aatgccagga 58740
 acctccctga cacggacctg aacagaattc cttctccagc ttccattttt ggttatgctt 58800
 gatctggttt gagaaaaata aataaacgaa tagttctcag aaggaagggg gaagagaagg 58860
 aaagaaaata agagaggcaa gtaagaaaga ccaaacacag gctccatccc ataacgccag 58920
 tgggtacagc gagaactgaa atcatatcaa attaatacgt aagatctgga aagagaatac 58980
 ctgctccatg agaaccataa cctaacagag ttactgacag ccctgtctaa cagaggatgg 59040
 ccagcaggca tggcaagaag gaagccctag cttagagaca ggctggggag gggaatcacg 59100
 gctgtgtttg tttttatgct tttagatgcc gagctgcagt tggaggtggg agacccacc 59160
 agcaggatcat cacggttatc agtcaccctc agagcacaag cccttacttc taagtgatgt 59220
 ctttaaggaa ggggtgtttat tataaattcg gggctgggga cccattgac ttgtattttg 59280
 aagaatggaa catacatctt gtggtggttt gaataggagt ggccccaca gactcacaca 59340
 tttgaatgct tggtcattag ggagcagtga tacctgacag agattaggag gtgtggcctt 59400
 gttggaggaa gtgtggcacc gaggggtggg tttgaggttt caaataccag gcctatgtct 59460
 tgctctattt ttgctgcctg atccagatgt agaactctta acccctctcc agcaccatag 59520
 caccatgtct gcctacatac catcatgttt gctaccatta caacatgggc ctaaaccct 59580
 gaacctgtaa gctcctttta gccagccact ttccatgaga agagctgctg tgggtcaacgg 59640
 tgtctcttca cagcagcaga acactaagac acatacttat ctgtctactc acttactctt 59700
 acttactggc tgatttgggg acaggactgc tctatcttgt tcatacttgc cttgaacttg 59760
 ctatgtaatc caagctagcc ctgaattgac aacttttctg cctcagtgtc cccagtacgt 59820
 ggattccagg tttgtgtggc cacatttggc tcctgtgcat gtttttgtat ttcattggaat 59880
 atgtatgtct ggtaatttct caactagaat tctgtcttcc atgggcctca gacaacttgt 59940
 gacctgcag aggctgagct tgctgaggag agcagagggg gaaaggctct tataacacct 60000
 ctctgtaagg atggggacca ctgtctccat ttattacctc taaggatcca ggctggcttt 60060
 taatgagaat caactacacg gcttgcttgc tgcagagcat ggagttaaaa gcccatcaca 60120
 tccattccct gggagggtccc tgaagttagt ggtctcaacc ctttttctaa actcaatcca 60180
 gctgccgact ttagccagag tacctcagct ttgccagcca gagctgttca taaacttcgt 60240
 acaatgttat cagcactttc ctgtagggca ttctcagtgc actcttgaca acagcaacat 60300
 gcagattaac tctgggagaa agacgttttt aaagcacctt tcagatgcaa tgtcactttg 60360
 tagctctttg aggcaaaagg cttgtgctgc tgctgtgctt gtcaaaaggc caaacaacc 60420

aagtgcagat gaggtgacag tgttctcacc tgttgacctg ggtagtgaca agtttgttct 60480
tgctttgttt tgaagggggg agggagacta tttctctggc acctcttttc tcttttataa 60540
ttattgacct agacacaatg gctgcacggt tctggctagt taggggacgg aggcaagggtg 60600
ttcagatcat ctgaggccag gagtttgagg ctggcctgta taaacaatgc atatttagtt 60660
tcttgatttt tgcccgtttg ctttcttggt tgttttggtg gtgtgaggac agaaccggtt 60720
ctggaacacc gtaggcaa at gctctatcac taaactacat atccaaactc acttcatttg 60780
tttgtttgtt tttaggagaa agatagtctc cgtaagtaac tatgtaacta tgctttcaag 60840
tgtggtgctt acccttctag tgtattttct atgctttata ggcacaaacg tatgcacata 60900
tgctacttta aaaaataact ctgcaagacc ttttgcaa ac agaaataaca tcattattct 60960
gcacctgatt caaatcaga agaggctggt cttgactggc ttactatac acataatcca 61020
gttataaatg attaaagaaa ccatagtaaa accatacgca cttacatggt gcttttaaat 61080
taciaagggt tttctctttt tttttttttt cccatgtgag caggataatc aatcggactg 61140
tgtcttatct gggccgcac tacttacact tctggagcaa agaaacattc ctctgaaca 61200
aactcctgcg ctgcacagac ccccatctaa ccagattccc tacatagccc agcaacctca 61260
cagctagctc ttccatacac cacatcatga ggattcagga ggaaggcttg ggatgtccct 61320
tgtgcagact tcccacgggt cagctgtggg agcctgaaca agtccttctc agagattctt 61380
tttttgctg catctagata gacatgagaa agctccaagg gctaactcag gagaggacc 61440
ctccccagct tacttagaag gtctgaagcc aagcataagc gctaggggaa aaaaagagac 61500
cagtagctaa aacacagggt ccgagtcaga acttctgagc catttaatta aatgactttc 61560
attagttact gccaaaggga atgtaaatgg gtgcataggc tgtatgacc taatcaggat 61620
agaacagcag agggattcca agatcataca acgctatata gccctcactg gccagggaac 61680
gcctgcagcc ccacctgag ttgataccca ctccaggatgc ctggctggct acagcagtcc 61740
tctgactaga cggtagtaat tagaatgctc ctttactct gatgccacac ttcaagcggc 61800
taactgaact gcttagcaga ccggccaccg gcatctccag agcctggttt ctactggggc 61860
atctgagagt ccagaaatgt ctgacagtca ctgagtgcta aagatgttat taaaagacaa 61920
gaaggaaatg gtaccaaagg cagatcctgg gacaaaggta tctcaaaatt acgcaacgct 61980
tttctccagt cagcacctga cagctcccat attccacac cttggccagg acgcttacca 62040
tcagctgctg tgaaatactc ggggttcaca gaagcataca gactccatt gcccaacctg 62100

ctgttatttc tgtcaaaaaa aaaaagatga aaaccaggtc aacaaatccc atctctatac 62160
atctctgtaa ataccttttc ttttcctttt tttctttctc acgagttatc ttgagcaagg 62220
gacgcaaacc atgatcactg ctgacgggac ccttgccctgc actcctgatc caggccccgg 62280
tatctgagga caaatctttc cacttttgcc ctggcctcag attagagctt ctaaagaaac 62340
atctgtttct ttgcttcact ggaaataaca aggccactc catgggaagc taaactggca 62400
tgcttgagga agctcttaca aggagcaat ctgtgtgcta gaacagccag aaagcagacg 62460
acgggtacag agaaggaagc aaccctctc ctgttgctgt tagtcattag gaaatgtcct 62520
tttttccct ctgaagaatg tctgactagg aactctggct gtccagtctg catgggtattt 62580
tccccacag acgagctatg ttcaagttca aatcatcaag ccaatgcgc acaagtactg 62640
tcttcgctg gccagggcac tcacctctt ctatggaaga catacagcat gataaccagc 62700
cccccaacga tcagcaggat ggcaaccggc agagcaatga tcagatgcat gaagttctca 62760
tacgtcgctg cagagacaag gaagaaacag gaagacgtca cgcacgaggt gaataactgg 62820
ctcacttcat ttctgtgtat ggttggaagg atgataaac cgctctgga atagccttta 62880
ctccctcatc tcacaagagg agtcttcgag gagtcttcta gtgctgggac aagaccagca 62940
gacaaactga attgtttgga gaaaggtaaa taaatacaga ctgaagcaca cactccttta 63000
aagcactgca tattctgaat acagcaagta attctgaagg caagcccttc ctgtgtgtag 63060
ttttgtggaa gtttagctga aggaaaatga gcagacactc acacacttac tagttgctca 63120
cgctattctt atcttttaag aaagtccac agacagcttg ctgccactc ccgtccccc 63180
aaagcactgg atgacactcc ctgccaatgt tgctctgagt gttctacaaa tatgtaaac 63240
caattcaagt ctgaacttgc taccagtacc tgggtggtaa gtaccacagg atggcctcca 63300
ggggttcagg tctacactc tgaaaatcct gagaattctg ccagattcaa gaactcagtc 63360
tgtggacagg tggattaaca tggatgtacg ctgggcatag ggggaagaag agatggggga 63420
gcgaggggtg cttcccctag ggaaacggct tcccgtgcag aggaatgtct tgcagagtgt 63480
attgaatgat gaaggggttt ggttcagct aagtggtttc cgccccattc ttcagattga 63540
gaggagtcag tggtcagcag ttaagcctat gaactgcagc agtgaccagg atattgagat 63600
gttcctcagt atgtaacact ggcaccttga tctggggaca accaacagct gtctaagtgc 63660
actgaaggcc tgagcactgg gaggaaatc ttgcccatt ctgtaaacct agctgactct 63720
ctgtagtgtc gtggacacta gagaagaacc tgctactagc acttttctga agcagtgagc 63780
ttctaccac agataactag ctctcaggcc tcgccagaga agcctctttc tgcagcagat 63840

ggaaaggatt agagaaaacc atgactgggtc aaaatgcagg gaaccactga ccatggggta 63900
 cccatgcccc actgatgata gaccacacc acaaccccc caacaaatgc tcatggaaca 63960
 ctgcaaaata agtgcggtgt acgattctaa gatccagaag cccagggtgt ctgctgaggg 64020
 atgccacctt ttatgtaaga caccacccgc atgcggtgaat cccaacaacg cggttaccta 64080
 aacttgcgta atgacaatac cagttcacat gctttgaagt gtggggaatc tctgaagccc 64140
 caccctaga tgagaagtta ccagcagtta atggctgctg agagagaagg aggatcagtc 64200
 tttatcaggc ataagcttgc tgataggtta gccaatcca cgtgggtcatc cctaaacaca 64260
 tacatgtacc agtaacacta aatgagcttg gcagagcatg tgtgtatatg tatgtaggtg 64320
 tatatgcata tatgtatata gacatatatg tatcaatgtg cgcacaagtt gcttagcaac 64380
 aataattaaa gtagtcatgg aactgagaga ggtgggcatg gaagaagctg ggagagggag 64440
 gagccagatg gtgtaaatac agtactcatg tcagaagttc taaaaggcta aaactaaaac 64500
 aatgaagaag aagcatcagt gaactcttcc aaggccagac tgaaaacgga ttcattgtact 64560
 gggaagatga gtgtgtctga ggacacactg ggggcctctg cacttgcca ggtctagagg 64620
 agttaagga acgtaccagt ctctgtggc atgctatgca tcgctccagt cagacctcag 64680
 gaagaaatcc ttttcataa gcaagatcag agaggcgtcc taactttgcc agggttgcac 64740
 ggataactga caagttccaa agtcagagcc tggctttcct gcagccctgg ctcagaacag 64800
 ccgcaaccca gtaactggga ggctggattc ccgtcatgta ccagaaagaa tcagtaagac 64860
 tccagttaat atgggaaaac aaacaaacaa aaatgagtat gcggagaaga agaagcgaag 64920
 ggctgtgagc tttcatctga gagcccaacg gaatgcagat cagggaatga aacggaccga 64980
 agtgccctca tgaaagcact ttagatttca ggcttataag gagtctatag caactattgg 65040
 acaccaagt tgacatgtct acacaataag gatggcggtt tgggtaaaaa cacttgctat 65100
 gttaccctgg caaccagaat tcaatccctg gaacctgaga atcaactctt caatgttgtc 65160
 ctctgacctc tgcacatgtg cacaccaagt acacaccaac agtatagaga tgtctccttg 65220
 gaaaggagct ggggactcag tggagacatg ttcttgacc gcgagccact caccaatggg 65280
 tggctctacct ctaaactcta ttcttaatcc tgaaatacta caaaagccaa aattaagtct 65340
 ttttcaaaat cgatgggatt cagcaccttc cagtttctaa aagtactccc acgtgcgctt 65400
 ccctgccaga gagaagctcc gagctttcct tttcccctag gagaattcgt ggttttgtgt 65460
 tcttgattct acgggtcagg ttgttctgtg ttctttttga gtttcacatt tcaacaggga 65520

cacagaggaa	ctggaacaca	tccagaagga	caaaactgac	agaaaattgt	ctatgcaact	65580
ggctttcaag	aaagggccca	aagacctgag	aatatattaat	cgggagggaa	gaagtctgaa	65640
gaggagttaa	atagaattca	cgcaccaaga	tttccttaaa	aacagcaggt	gatgccgagc	65700
tttcaatgtc	cccctctgag	gattagaccc	aagaaaactg	tgctaaactg	cgtcttgctg	65760
gacaccggga	aaatttccca	gaagccaaga	gcgctagcac	gcagcttcaa	tccccctgtg	65820
ggatgtgcca	acttccactg	gagaaacccc	attagaggac	ctcttaagag	tccccagtgg	65880
cattgcagtc	ttagctttac	aaaggcagct	acaaacatgc	cctctcctaa	gaaaagccag	65940
actcacttag	cttcagaagt	caagactgct	ccttcagaga	acaccaccca	atttccagaa	66000
ctccagtgtt	ggcttagtag	cacgacgtgc	tacagataag	cggaaatgta	ccccaggca	66060
gagatgctca	gggcttcgtt	gccggcctgt	gacgttattg	ggaagtagtg	gcaggtaacc	66120
ttaggagctg	ggttctagag	gaagtcaggt	cactggaagc	aggtgtcctg	tgagagaact	66180
gtgaaacccg	ggccctttct	gccttttgga	ggtaaccagc	ttgggtccat	catgtgcttc	66240
ctgcttctga	cattttgtct	cagaacagcc	caaaagtaat	agaatcaaca	gacagagcac	66300
gacaaccccc	gaaactgtgg	gggccacccc	tctaatcctc	tctgggtttt	gccacatcgg	66360
agagctacag	taacatcaca	atggagagtt	agcacataag	ctaactgatg	acgctaggct	66420
accagaaaa	aatgagaaa	attcagagtc	tacctgacag	aactctcagt	ctcatcatct	66480
ctcaatctag	acacagtagc	agcagatata	gggaatccta	gcttcctgct	tacggttcta	66540
tttacttctg	tctttgtgca	gtcacgatga	ggattttoga	atgtcttgcg	tatctttgaa	66600
tatctggaac	tggctaggtg	ggctatcgaa	gtgtgaactg	acataaagtt	atacatgtat	66660
acatatttac	cacatacaac	atatcttaaa	gcatgtgtac	attaacccaa	tcagcatcag	66720
cattaagtgc	cattgttacc	atttctgtgg	tggtaacact	ttcttagcaa	tattcaataa	66780
tgctttatta	accatagcta	gtgtgttata	aagctcactc	ttctatctac	ctaaaattgt	66840
gtaccttttg	agcaacaccc	cctaagttat	gttccccctg	taacctgcaa	gactctgagt	66900
tcaccctttt	agatttat	catatatacg	tgagatcacg	tggtgtttcc	ctttctgcac	66960
cttctattaa	cagtattcca	ttacatatat	ggaccacatt	tttaccagg	cacctgctgg	67020
aggatacttc	attgtttggc	tactgtgact	agtggggcaa	aaaaacaagg	ggggtgtaga	67080
tttcaacaca	actaacttcc	atttcttttg	gactgggatt	gctggatctg	ttgagacctt	67140
gtctgaatca	agaatccaga	agagaccacg	aagaacataa	gacattagga	aacaacagtt	67200
ccccacaccc	tagattctag	cctcaaagct	gagctgagat	tttggggggg	ggggagtgca	67260

aaaggaattc acatttgatc ctgtatttgt ttggatatta catgaacacg aaataatcta 67320
aaaaaatttg gcttctcata agacacgtaa aaattcacta tgtattatth caccaaaaag 67380
actcaatttt tttttttttt cgggtcaaaca agcatgcagc ccttgcatth aacatttcac 67440
aacatttact tttaaatctg aatcctaaca gctcactcag tggtttctgt gaactgtgaa 67500
acattatcca ctagggtggg tctgtgcaaa ataacgcaca gagtatctth caatgcatcc 67560
tgggtgatgg tgaagagcac agaggagggg aagactctga ctgggatgth gtctctgcaga 67620
ttctgtccc ggagcagtga caccagacga tccctgggga gacgtgagc gctgggtcac 67680
cctcaccgac caggcaggag acctgatact caactcaatg ctttgcaaaa tgctccaca 67740
cctgagccac gatgagaaca agatatcttc taggttgtag gatactcttc tgttactcac 67800
aagagaaggc tccaaggctc agcaccttc cagctctggg atgtgcgtgc gagtgcacgt 67860
gctgctgagt gttgggtgg gggaagggtg atggtggcac agatgtgtgt cactgtgag 67920
taaataccaa gtgtcttctt ttctggcgtg acacctcctg tttctagata cggcttctcg 67980
ctgaaagcaa aggtcaccaa tggaccattc tggctagcta gggatctgca aaactttgac 68040
tgtcgatctc ctgagcaccg aggaagcaca ctaccgccc tggtttccgt caaggacttg 68100
aacttagatc tttaaagcagg cactttccct agtaagccac ctctcaacc cagccagctc 68160
tgttctaaca gaaaaccaga gagccccaga agctcagggc ttctgagttc tggcccagcc 68220
agctttgaaa tttaccgtgc gtctccctca ataagactta cttttggcgg ggacatagaa 68280
gaacacagga tctgtccatg acccattccc agagaggag gtagcctgaa tccgggctgt 68340
atagttccct gggtttagac ggttgagttt ggccctccg tacttctgt actcctgtct 68400
ggacacacat tcccgtgat cctatggaaa tataaggcgt taatttccta caagcatggg 68460
tgagatctga catctgtcaa ctcaagtcac catgctgtga ctccagctgc ccaacctctc 68520
cttacattgt ccagagtatc aacataaagg aagcaaggat accggaaaag tggttttcag 68580
gttggcacat ggaaaatgg aatcaaatat gttggtaatt aaatcaaata tgttggtaac 68640
tccagaggaa taaaagatca tcaagacgtg tctagtctgc ggctggaggc ctagctacag 68700
tttcattgth tgtatgaagt ccagccagct ccatgcacc aagttactac tcaataaaga 68760
tggcgttgct aggaagacct ttatccttc cgactgccc tctttctccc ctgtctgctt 68820
agcagtcagc agacaaccag tatgccatag cacgtgtct cagcgtgaa acacatgcag 68880
ctgcaggcca tggatccct ctacctcga ctgagacc gtatttaatt tcatacatta 68940

ggatcaatcc gttgggggttc tcgggttctg gccactttaa aaagatggag ttttcggggtc 69000
 ttggctccca ggtcaccgga ccagggatat catctgctcc ttctgcataa ttaatgtaaa 69060
 caagcagtca aattggggtt aggtccccag aaagaatgat aaacgggtgtg ctaacttgag 69120
 aacaactgtt cccccaatcc ttgtatatac aggactctgg acagggggacc ttgtaggagt 69180
 tctttctga gatggctgct ggcacagcgc ctccatcccc tctgactgaa aaaacctgtg 69240
 gccaaagtaca agtgatcacg cctgaaaaac ctatgtaaca ttctccaggt ccattttcct 69300
 acctaaaaag ttaaaaaaaaa aaaaaaagaa cccttcaaac agagcggccc tggggaagg 69360
 cagtgagcga cagcgtgctg agcctccagc tgtggcactg acacattcac agcccacacc 69420
 ctcacacggg agggaggaag ggccagttcc gaggctggcc tctgaggcag ctgttccggc 69480
 cactgtctct tccagccacc gctggcctca cttctgggtg tgaaccacag ctgttgggtg 69540
 acagctgatg acagccgaga gaggcctggg gagataagct gttctctgtc tcttctagga 69600
 ttgggaaact gaggcacggg tggctgaggg ctacacggga gtgccaaagc cgatctcaga 69660
 agctcttact gccccagttc ccagcatgct ttgttctccc cactgactga cacctcctcc 69720
 acgaatgaga agtggcaaat ggctggcagg gtgacaggca gtatctaact gtaggaggag 69780
 gccacaggc tgatctagct gaccacgagg acaacgcttc ctctgcatca agctttgaga 69840
 cctggagggc ccctcacagg tctgtggtgt gctaaggcct ttgtgctctc agtctgtagc 69900
 ctctggcact gagagaagac aggactttag gagattgggc ttcaatgaaa gaagtgatga 69960
 aatacgatgt gttgcttcat tgcaagcccc aaagcagtga gaggcaagt cctgtggtct 70020
 aaaactcctg aaacactgag accaaaataa acctttcctt ctggtaagac aactgccttg 70080
 ggtattttgt aatagcaaca gaaagctaac tcattcagct gtgcacagaa gggcacaggg 70140
 gtgggtgtga gcatgtgcat cgtgaaccaa gccaaggagt gagagccctg aaaggggctt 70200
 gtaaagagtg tctatggtta agtctggatg ggagctggca ctaggaatac attctctgtt 70260
 ccttaggcac ctgacggacg acgttgtgta ccaacaacca cacattcgta ggctgaatc 70320
 taagggtgt cagcctcccc cgccttggct gtaagttggc ggcggggcta cctgccgtac 70380
 ctgctggcat ggttctcgca aagacgaagt tggaggcgct gcagcccagc ttctcagcct 70440
 cgtggttgca gctgtggata tcgatcggt acagagtgaaggccggagg ttggagatga 70500
 cagtcctctc cttgttatcc actctgctct caaagaaagg gtactctgtc tcgaactcct 70560
 ccgggtctgt gatattgtag gtgtcagcta ccgtggtgtt cctgcttcgg ctggacatgg 70620
 tcgtgttggc cacttgcatg acgtctctcc gcctcctttc ggcctgcaa ggaggagaaa 70680

gaaggctcagc tgctaagttc tttagttttc tttgtctttt ccatggctag ggtagaagta 70740
 ataggaaagt cctagccttg aactaaaaga aactacttag gctccttgga taagaaccaa 70800
 caaataacca ggatttttcgc cttcacaacc catcctgtac tctcttgaga catcctcaga 70860
 gaaacatgtg cacacatggg tctaggaaac agtgtgccag ccatttttag ccagacagtg 70920
 ctctgtttta ccagacagtg ctacttggtc aggcctgata actgagcatt caacacgaca 70980
 aaccatcagc ctcataagac tgggtgggaa aggtgaggcc taagacacac aaggtagaag 71040
 agacccaaag tccaacagta gtggcttctt tgatcttctc tgaaatgaag atgccctagt 71100
 ttaagcagct agcaagtacc taaatcccag cgcttttctt gaggaacagg gtctcctatt 71160
 gatgaatgcc cccagtcctt agtacacagc atgggtcttg aggttcatca aacctggctt 71220
 tgcacctcc ttggcagtga gcttgtctgt gataggagcg gagcctctgt tactcactga 71280
 cttgtgttag cttaagaaac tacagaaaag caacaggaac agagtctggg gctccctctc 71340
 ttccagaaaa aacttctaac attcataaaa actgaaaaaa aaaataaata aaaatatgac 71400
 atcagataag cagccctatg ggctggaagc aaccctcagg ttgtctgcag gtgaacagtg 71460
 ggcaagctgg gtattgaggc tgttgctggc attgcttgtg acaggacaaa ggatgagagg 71520
 aacaggtggg actgcactgc gtctggtaag aacatgacag agtaagacaa aagggagcct 71580
 agagtacggg gctcgaggcg ccttggaagc catgcccag gcctatggat gctccctagg 71640
 ccaacatctg ggagagtaca gtagggagtt gggggaaagg gccgcatgct ccctgggtctt 71700
 cagcagatgg atctgctacc aaaaccatag ttctttgtcg ggtactgaca tgccagtttc 71760
 cattgaaagt atatcaactg ccataccagg gcccatctca aaagttagga atggggattt 71820
 gttatcataa tgctggggaa agagatagga aatgagggtg ctattctacc atgtcacac 71880
 ccagcaaacc ataaaccgac caatcaacaa accatggaag gaaagataaa ggaaactact 71940
 ttttcaggta tgtgtgtgcg tgcattgcatg tgtgcgtgcg tgtgtgtgtg tgtgtgtgtg 72000
 tgtgtgtgtg tgtgtgtggc ggctaggcag atgttcaaaa cattattatt aaatttctg 72060
 cctccctttc aaaccagagc aacacaaacg tgtgccttca tgtaagaagt tgcttgtgtt 72120
 tgatttattg caaaatgata ctgggtccact tcttgcttg acccaccccc aacaaactgg 72180
 gctatagcac caagcagact cagtggcctc ctacttata aacactgcac tcttgcatat 72240
 tattcaacag ttactgtgga cacagagtca ggaccatgaa gggaggcaat ataggcatca 72300
 gaaggctagg gatgattcaa acagagtggg ccagggggtg gcaaacagca cactatcagc 72360

tttccttact	ccataaagta	tcttgatgct	actggaaaaa	cttgactgt	ttaacatctg	72420
agaatgtttt	agtgacagaa	acatttttga	agcgtcttca	aaaatgaaga	tggcggccaa	72480
tgaagccat	ttactgatac	caagtttagg	aagtaacttt	ataaatagta	gcctccactc	72540
tactataaac	tcacaggcaa	agtcagacaa	tgacagaaaga	ctaaatctga	tatatttgcc	72600
ttcagccccc	agataaacgt	gcacctagaa	tgacatgaag	gtaggaatag	gttttaggta	72660
aactcgggtg	tatgatgaca	gagttgctcc	tgtcatctag	ggtgctcctt	tatgggacct	72720
tgcgagacct	cgtatagatg	tcagatcctt	gcctcggtag	gaggtaaaaa	acaacccccc	72780
aaacccta	ggccaggtgt	ggtgaccctt	atctgcatgc	tgggtctgtt	ttaggacact	72840
gaggtgagga	cacttacacg	aaggaatgtg	accgagagaa	aattcgtttc	aaaccacag	72900
tacaagccct	gcacgggtccc	atctgggtca	accacagcct	tgccgcccaa	tcacttagcc	72960
tagcgttaca	cagctgatga	taacagcagt	cacaaagtga	tgtcatctga	gtataactaa	73020
acaccaaggg	ctttctgcta	tggtcgggtct	acccttggtt	ctcatgctgt	attgttagat	73080
gtttggtcac	tagtggggca	gctgcaggag	gaacctttag	ggaatgggtcc	tgttaggggg	73140
agatcctgat	gtagcaaaca	agctaagtgc	tcaacgtctg	ttcagcttcc	tgtctgcctt	73200
gaaatcgctg	ctgtgccata	agtactttgg	ccatgcgaca	cacccaaaga	tgcttctatc	73260
aacaaaagcc	acactggctc	cttgttcttc	taactttaaa	actggtgagc	tatgcacacc	73320
actaagcatc	acgcaatttg	ttagcaacaa	tgaaagaacg	acctaaacct	ctggccatgc	73380
ctacaggagt	cctggatttg	actgacaccc	agtatagggg	tgggtatggg	aggacctctg	73440
cctggcctct	ttgggacgct	ccatacctgg	ccactctcat	ggctactctt	actgagtgtt	73500
ggttcaggtg	gaatgctcca	catagataac	ccaatgaagg	gacggagggtt	tgggtgttga	73560
gaatgtaggt	ctgagacca	agactcaaac	agacagtaag	ttagtgagga	tagaggtcac	73620
tgcattccagt	ttttaaagca	ccttttgatt	tgtttcctgt	cttcagggtct	ttaaattcaa	73680
agaaacagac	atgacacaga	ggggaacatg	ggtaaaagcc	aaaacagcag	cgcctcctgt	73740
cagctgactg	caatagcagc	ccagcagcct	gccaaccaac	aggagctgct	ccgcgtgggg	73800
cagatgggag	catgcacagc	ctaaggcatc	aatgtagcc	tttccaaagg	gcacactcac	73860
ctgggcacaa	agatggaatt	gtgaaggaaa	ttctcaaaga	ctttacggta	ctcagcctcc	73920
tccttctcag	cctgcttctc	agcttcagtt	ttagggcaag	cgcagcatgg	ccctttatca	73980
ccaccacaca	cttctgtctt	gggattttcc	gtcacctcct	ccacgtcgat	ggtaccatcg	74040
gcgtactttc	tgatgggtat	tttgtctgct	tggggaagac	cagagatggg	aatgaaagcc	74100

atgcaggaag	tgctgttag	cattgctggt	ggaggggagg	ggtgctggtg	tgcaactgctg	74160
agaagcaagc	cctgcaacgt	gacaggtgtg	accctggggc	tca'ggttctc	tcagacaaca	74220
gacaaggcca	gtggcactgc	ctgcctgctg	cctgccagcc	cccagctcac	ctttggagca	74280
gtagtgtgct	cggtagaggt	aaccatcctg	gggctgccgc	tgccaccta	caatgtagta	74340
actcaagtta	ccattgggca	gagttggagg	attccacttc	acaatcagct	gagaggaaga	74400
gtttgatgct	gagaggacat	ctaggggaat	ggaagggact	ggaaagaaga	acaaagaaca	74460
tttcagagaa	tagaccgga	tccgaggttg	aggttatcag	gggctcgatg	caaaccaaca	74520
ggaagctgca	ggcttgacct	gggcacagag	atagcaacgg	accaaccaga	gcatgaggtg	74580
aaccagagct	ttggaaagat	taccaactgg	gaggccagcc	ctctctcaga	gcacttgctc	74640
ttagataatc	tatgtgcaa	cacacatggc	tcactgacct	gggactgaag	gggctacgag	74700
ggcatagctg	gggttaaagg	ggactctaaa	aaaaaaccta	gagttgattc	agttatgaca	74760
actgtcattc	tccggtgtgt	attaggaat	ggcaaattgg	acggcttagt	acttcacctg	74820
tgattgcaag	ttttaatctc	tgataaaaac	ttgataaaca	tgacagggag	ccaaaatgaa	74880
gagtgggagt	gggggatgga	cagtgtgtgg	ggtgggttatg	tgctgggtg	aaaggactgt	74940
gaaacaagga	gcagggactc	acagatcttg	taagcaagtc	atgattcagg	aaagccagta	75000
cgcttgagcc	ctgattctat	gcaaagtcct	gttacaagca	aatgagttta	acaaaacgac	75060
ggaggcttac	atactactga	tgcccaggct	caaaagtaga	actaacttac	gtaaaaagga	75120
aaacatccca	ggaccactgc	tgtgtcctca	ccatagcaaa	agagatacca	cagccgaagc	75180
gcaccccatc	cccaacacac	acacatgcac	atggcaaaga	atgaggccca	ctgggttttgg	75240
cagtttccaa	agtgcaagag	acagaaccgt	ggttatgaca	cttaagaata	aggtccaacc	75300
aagctgtttt	tgaatctgaa	aggtgaaaac	aagcttgtac	cggtcagtct	tatgacaact	75360
tggcacaacc	tatctgacag	aaaaaaacct	caactgagag	gatggctcag	tatgatcagg	75420
ctgtaaggca	ggcctgcagg	gcattcttct	aactaatggt	tggtggagga	aatgcccagc	75480
tcattgtggt	gaggaggcct	ctgggctggt	ggtcctgggg	tctctaagaa	agcaggctga	75540
gcaagccact	gggagcaagc	cagtgtctct	ccaaagttcc	tgtctctgct	ggagtttcta	75600
ccctggcttc	cttaacggca	gactgtgac	ctgatgtgga	agtcaaatac	tttccttgcc	75660
aggtcatata	ccaccacacc	aacaggaagc	gaatggacag	agggtgttta	ggatgtatgc	75720
ggtgctcaag	gctctgagaa	ccactgaggg	acaacacgtt	ggaagaccaa	gactgatgca	75780

gagaagacaa gcacttgatg cctgggtccc tgagcgtttt caataagtat ttccaaaaca 75840
gtttcttact aggtatttca atgacaagtt tcccagatga agcagaggca catgatggac 75900
taagtacgtc actatcggtc ccaagcactt ttgaggtcag ggaccaaagtg cagtttttaa 75960
tatttaggaa gaagaatagg atttcttaag aatctgctat aatgataaga aattcctgct 76020
tagttttttt ttttttcctc tcagatctgc tgcaatgatt cactgggagt cattactccc 76080
aaactttaag atgagaaatg tattcagttg ctttgctctt ggaacggtga atatgtttca 76140
ttgtgttgta agccactcaa gtcgatggaa tttttgttg taagagggtca gtcattatct 76200
ttacagtga gcatatcttt ctacctctct cgtctttgga taaaaactca cacctttgct 76260
tttccccact tctaggttct ggagctgggg aactagtacg taaacacatg aagaagatga 76320
gaagggatta gtcaataatc cgatatcata gtactctaag cctgcgttcg cctgttgaga 76380
aagctggtgg ctacggaata aaggtggaaa gccagcaagc cactagaggc aaggggtgca 76440
ccggtcattg tcgtctcagt ccctggaagt ctgcactgag agagaggaga ccagccacaa 76500
gtggctacat cctgggcatt cagagaaacc atcctactgc tctggaggac accgattcaa 76560
ttgcgtagag cagagatgtt gacatttaag atggtaccaa gtctaggaaa tggctcagga 76620
gaacttaagg tgttggcagt gagaatgtta atacagtgtt aagcagcaac aacaagcatc 76680
tcattgctag cctccagcc atactgtgcc tatgtaaata aagcaagctt ataaaaattc 76740
agggaaacagg ggttggaggt tgttcctccg gtgcgtggat acctgaagca ttggtgcgaa 76800
tgtacaagat ttcacttttg gccccacgga tatggctcgtt ttccaccatg gtgaggggtca 76860
cagccttgac atagacagca tactgggtcc agggcttcag cccatgcagt aaaatgccag 76920
gctcgccctc cttgttcgga ggcaggtcta catccaccat gttccagctg ttggagccac 76980
aggcatcctg cccgtcatat tccgtaacgt ttttaaagtg tctgaaagac agtcaacaca 77040
ggccagagaa cgttgaaggg ctctggcatc aaaactcccc agaaccttcc ccaggggctg 77100
aacgtgtcac actttctatt tctattggga actccaaata aaactcatca tcaattagat 77160
ttctatacaa aaataaaatc aagcatctgg actcgggagc tcgacagcta tgaaccgcag 77220
aactgacaag cagccttaga gacagcaagt ccctcattca cagggactga aaatgctgcg 77280
tctaagacat gcggatgctc attgtcttct taagtgagag ttaaaaacaa caacaacaac 77340
atcaacaaaa acccaactaa tgaaaaaaaa aaaaacaaaa aacaagcaga gctgtttaat 77400
gcaaacaata aactaataaa acacaacttt tggacaaaac taactttcct atccccctag 77460
aactctaaaa tgtaattcga taatagccat ttttatatat ttttatattt acttttttgg 77520

tttttcgaga	caaggtttct	ctgtgaagcc	ctggctgtcc	tggaactcac	tctgtagacc	77580
aggctgacct	cgaactgcct	cccaagtgct	gggatcaaag	atgtgcacca	ccactgcctg	77640
gctcataata	gctatttttt	ttaaacaatt	tttttagtag	atattttctt	catttacatt	77700
tcaaatgcta	tcctgaaagt	ctcctatacc	ctccccccgc	cctgctcccc	aaccacacca	77760
ctcccacttc	ctagccctgg	cattcccctg	tactggggca	tataatcttc	acaagaccaa	77820
gggcctctcc	tcccaacgat	ggccgactag	gccatccttt	gctacatatg	cagctagaaa	77880
cacgagctca	gggggtattg	gttagttcat	attgctgttc	ctcctatagg	gttgacagacc	77940
ccttcagctc	cttgataact	ttctctagct	cctccattgg	gggccctgtg	ttccatccaa	78000
tagatgaatg	tgagcattca	cttctgtatt	tgccaggcac	tggcatagcc	tcacaagaga	78060
cagctatatc	tgggtcatgt	cagcaaaatc	ttgctgggtg	atgcaatagt	gtctgcgttt	78120
gggtggctgag	ataatagcta	ttttcgatgc	ttaactatct	cataatattc	caacactttg	78180
tttctgatt	gtctcagaga	gtggcattgg	tgataccacc	agttagcatc	gccagtgcac	78240
tggcagcact	ttcaaagga	agggagggct	ctgcacagat	gcatggtagg	cgggggtgtct	78300
actttgacga	gatgcaaggg	ctgctagcta	ctggcttctg	aaattatgct	gacatgactt	78360
gtgttcgatc	acgatgggag	aggggtggcc	cccatTTaca	caaacactga	gtgattttga	78420
gctttctatt	ttccctgggc	tataacagtt	cccaggaccc	taggtcaagt	ggcagcgaag	78480
ataccaggca	ctgccaccag	cacctttgct	tctggaaaga	tcagtgcctg	ggaaaacgga	78540
tgaccacaca	gactggggaa	accacctggc	cacaggaggc	tgagtaggaa	aatgggacag	78600
ctcaggaagc	tgtgatgtgg	agtaagcagg	atggtcctat	caggaactgc	tgacacctag	78660
gttcgtccct	cactattctt	taatgctaga	gggctcatgg	cccagagcaa	agtcttggca	78720
aggccatgca	tgcatcaagt	gactggaaga	caatgggtca	gttcagggta	gccttggtga	78780
gaacagagca	ccccatgggg	tattttgggg	gacagaggct	aagacaatat	ttaaccaagt	78840
ccacataatg	gcttatgaca	gtttggaggc	attcagttct	cttaaaattc	atcccccttc	78900
cccttggggg	gaacttactc	aaacaccata	taaacaatga	aagggtgag	gcgggacact	78960
ctcctgacta	gctgctgtct	cagggttgga	cagtttaata	tgacaactag	agaggtcaca	79020
tgaggatgag	gtgacggctg	cctgacttga	ttctttatag	gtacaccaaa	gactctctat	79080
tcagccaagt	cacactgcc	cctggccgtc	cccaccctca	agcttgacat	cagagtgaga	79140
ggcccaaact	cacgcctcct	tgtagtaaac	tgtgaagctg	atgagatccc	ggtagtccgg	79200

cgGCCGgtac cggtGCCacg ttatgatgat tcggttcttc caggtcgtgg tggagggtgaa 79260
 acggagaaca tcactttcac ctggggcaca gaggcacatc catgagtgac agaaacccat 79320
 ccgtctctgt gatgtcactc tgagagaaaa ccctgactgt gcttccaaag gcaaattctat 79380
 ggctggcgca ctcatgacct gtcaggtcag gctggctgcc cctaaggag aagccctttg 79440
 aaatgctccg atcacaggct tctgctatgt tcttgatggg gaacagggtca gggggctctg 79500
 cagaaagggtg aggggtgctgg ctgtgtacac acttaccacc tctgcctaac tactcttctc 79560
 aagatgcctc ctggatccgt agagtatcag ataaatctgg atactcaaaa gacaaggcta 79620
 gccctcccc cacatgtatg cacacgtctg actagctgtt ggtcacacag ctcttgattc 79680
 cccactaatg ctatataatg acggagggtc aaatagagct ttagtatttc tgtttgtttg 79740
 tttttgtttc cttaaaacag ggttttagat gtagcccaag ctggcttcaa actcacaatc 79800
 ctctgcctc agcctgttaa gtggtgagat tataggagtg taccatcatg cctagctcca 79860
 tacagtgcta gaggagagac tgacatccag gtctgggacc acatttgag aggggctggg 79920
 ttaacagggtt gaactctagg ctatgagatc ttagggtgaa aactctcatc accaggatgg 79980
 aattattact ttgtccaaca tgtgaaaagc attccgattc aaagacatgg gctcactttg 80040
 ttctagaagg agcagggcag agaaaggagg ccaagtgtga ggacaaggac actggacgtc 80100
 cacggaagta ttatagtgga gcatctaccc tgatccttct atggcacagg agagaaaggc 80160
 agagctgacc tggagtggac tggctcttcg gtaaattattg tttgctcata ttgaaaagggt 80220
 atttaactgt gcaagctcta agaacctgct tggatgttta atagactcaa atggaccctt 80280
 agaaaaatat atcagtatga gtgtatcagg caccgcacca ctaatatgca gaggccaggc 80340
 actggctgca gtggtttgac agtccatggg gaaacaaaga gcccgccac ggatgcaaaa 80400
 gactgttata tggactgtgg cagtcccagg ggtctgagat gctgtcactc acaggaagct 80460
 cgctctccgt tgttccctggg gtttatgtcc cctttgctct ggcgtccctt ggttccggtc 80520
 acttccctca tgcggtaaatt ttcggagaca cacagcttgg gattgaaagc aaagtacatc 80580
 tttccggacc tgacggtcag gttccgggtg ttccagtccc acagctgctg caagtctctg 80640
 ttgtctagga catagaagga gtagttcctg gaagcacaga aatgcgcatt agcaacgcac 80700
 tgagcccaca gccccctcag gcgacagaga gcctctctgc ggccagtgtg gttccatacc 80760
 aacaaggggt ttgcttgctt actggggctt tataacagca gacagtggcg gtagccactg 80820
 gcaaaaagat gtgccaagga caatgttttg aaatcgactg gacactaatt aatttcatga 80880
 cctctattac caacacacaa agcttctccc accaaaggat gttccttgat tcattccctg 80940

ggaaaatgcc tttgggttatt tctctcagag ccaggtatgg acaatgtgct tgaaatcagc 81000
 ctacaggcga acagacatgc tccgctactc aaccggaaca gcttacatac tagcagcaaa 81060
 ggctgccatt atccctagga ataaatccta cccatgccca atcagcagtg catgatggga 81120
 tgggagacag cctggctctc tgtacatttg cctctcgtg caagaagcct tcatttcagt 81180
 ccctgagtac gtgggagagg acagacatcc agtgtctccc tgggctctca catcagggtta 81240
 gctagatgca gcgtgtaaca tgggtggcttt ccacatttag tatgtacaca gcttgttctc 81300
 agtatccct accgctagag cttctggtgc agagggtccag agtgcaccag gaatctcgat 81360
 gtctagcagg taatgctgat aaacaccagt cctgggtcca ccagaaact accaggccgg 81420
 ccacggcact gtttccaagg cctaacttcc actagagggg agatatgggc atggccaaag 81480
 ggaagatagc tatcttaggg ggccaagggg agagcaagga ttctacttgg gtgtctgcat 81540
 aagttttttt ttttttttta aacagttatt tctaaatcca cccacagacc agacaaacat 81600
 gtcccaaagt cctgttctgc cctaaaggct gtgtccacct aggcaccacc tgctgagagt 81660
 cctcaccac attagaacta ctgcctaggg ggtctgcttt caacatgacc ttcacatact 81720
 gagaaatgag ttacagctgc agggttgcca agcctctccc gacacttctt ggagaactca 81780
 ttagggagct cagaggccag gaccaggac cggaagagcc atgaattccc cacaggacaa 81840
 gccacaggca gtttctcgg tgctatgaag agcagcggtc atgtgcgtag gtgaagtctg 81900
 aggtctcgtt ggttttaaga ttccttatga gagccagtga gatggctcat gcgtgcaaga 81960
 gtacttacat cacaagtctg gtgatcagga ccccgagaag gaagaacagt tactgtgtaa 82020
 ggctgtcctc tgacctctgc acatacatcc ctctcatagg taagagtctt cacatggagg 82080
 agtcggagct caagtgtgag ctaagcagtt gaatggaagc cccaaccctc cttgagcact 82140
 tctgcgcagg cttcagcgca gggctctgcac acgcacgggc tcaatgagcc gctagccttt 82200
 ggtaaggagt gttcccctac catgcttggt tattggagta ggaaacaaag accctgatca 82260
 aaggaatcca gatcgtagta cctaagagtg tatgtcctag ggaggtcctt ggatacctgt 82320
 cagtcagaac tgccacctac gggaccacc aatgttact cttattgata tgggggtggt 82380
 caggataggc agacaactga aggataggtg taatggtgga aagattgggt cccattaggt 82440
 gtcttgccca accatgggcc attcttaaac tgctgcctca acgctaacct caccggtctg 82500
 gctgctccca agtcttgaga gtcccaggag acaaaaatct cctgttattg aagacacctc 82560
 caggccgat acaaggcca actaatcagg tcaaactccc atctccatct aggccaaggc 82620

ctcttagtaa actaatttct caagcaggaa acagaattgt actgaaaata ccttccttct 82680
gagccacaca ttcttctccc caggaggga gcatgaatta gaaaccagga atttgacaaa 82740
tgaatggcag gcacatagaa actcagggtta ttgactaat cactttgaaa agcaagatta 82800
tcttttcaca gtaaacacaa actttctctc tttaaacaat gcagagaagg ctgggagcca 82860
gaataccaat atcaataaaa tccaggcatt gtggagccta cagaaggtaa agaaaaataa 82920
aaaccttcac caaaataata atcaacctgc tggggagggc cgtccacac agtgcctgct 82980
tcccaacccc caccgaggc ctgcctctc aacaccttct gcaatagtga gagttaagag 83040
atatccccag gtggagattt gtctacacac cttcaagata ctaatgtcct tgaatggtca 83100
ttgttttctc agggagatga ctagttaagg gaaccactca ataaatgcga cttcataaat 83160
cgttttctaag ctactgcct tttacatcc acagaatatt tttaaaaacc aaactgttca 83220
ttttttttcc tttggctcct acacgctgta tgatctcccg gagttttatt gagtggtatt 83280
ttggctctta gttcgatcct tcttctttc ctaccttct tctgcaccc ccccccaccc 83340
ctcaagacag ggtttctctg tgtagccctg gctgtcctgg aacttactct gtagaccagg 83400
ctggcctaga actcagaaat ccacctgcct ctgcctccca agtgctggga ctaaagaaat 83460
gtgccaccac tgctggttag cttgtagctt tttcaacatt agaaaaaaaa atccccctca 83520
ttggatgggt ttcacctgcc aatgcataga cctactagga tggttagtca acaatttggg 83580
ggccctgtca catgataagc tcacagccaa cacttagcta tgatctgtgg ctaccatttc 83640
taggcctccc ttttaagtga agactgcagg ggaccgagtg tagagtcttc catgtaggaa 83700
ctgataacca ggccaagca ccttctccac tgcttatgaa gtggcacctg aatgggttac 83760
tcagcttctc tagggctgct ggttctcagc tgcccatgga gctatctttt ctggtctctt 83820
cgggccccga ggccaattga gaagaactgg atgctaaata taaaaggacg ttataagctt 83880
tgaatcacct cacaaaggca caggatgacc tgtgctactc tctgaactgt caaaagtccc 83940
ccagaacaaa gtcacagaaa ataggtaagt cctgcacctt gatacaggca gggctgagct 84000
caaggtctcc agctacaca ggaccctctt ttcaagctct tactggcatc ctggaagcac 84060
agacaaccaa taactcatat ccatttttgc aaggagacac tactactgcc tgtgacagct 84120
gtctctagag ggcatcagaa gccagtacac tgaagctgtc accagtacag tcatttataa 84180
cactacttag cccatctgta gaatattggt tcacttcagg tccacagtta taccatctac 84240
aaaggctcag ttagtatgga aatatatacc caggcaaac taaaccaagc accacataga 84300
ttgacaaaat aggccgtttg ttctgagtg ctttttaaaa acagctttgc tgagggtacgt 84360

tttaccttct	aaaattgttc	ccactataaa	tatacagctc	catgggcttc	aataaattta	84420
tacagatggc	caatcatctt	tcaatcatcc	agattcagaa	catttatatc	aaactgaagc	84480
ccccccccc	attcttctcc	catccaaggc	atttccctg	tctgttcacc	caggatgcta	84540
catgtaccat	tggctagtat	cttactgtgt	gttttgcgct	tatactgagg	aaccctaga	84600
ttatatctaa	cgcaccattt	tgagaaaata	ctatggaaaa	tgttgctaag	agcattcaca	84660
tgtgatattt	gcatacacat	gcttccatat	ctctaggaac	agcctagact	tgctaggcaa	84720
agtaactaat	tgtatgtatt	ttaaaagtcc	caagtatgtg	ctaaaatgtg	gttatgttag	84780
ggtctagttc	cagagatgca	gggcacatta	caaaaccctg	agtctgcaaa	gggtagagat	84840
gcctaaacag	actaagaatt	ctaactttat	actggccccc	ttccagtatt	tttgttctgt	84900
tcaagacaat	aatctttggc	agcacctaag	agcttgaact	tttcatttat	ttgattgctc	84960
ccaaaccaa	gttgtccaaa	gcagagcatt	ttttttttca	gataatggaa	atattttctc	85020
tcttattcaa	ggagaaccac	atatccctat	ccccagacaa	aacttgattt	tccttcttaa	85080
tcccccccat	gacccccaca	ctttgctaga	gatcaggtag	caagcaccac	acactctagg	85140
ttaagtgtc	tatcactaca	ccacaccact	acttctgaga	aaaccctttc	ctttctgtgt	85200
ctgtccttga	gtacacagac	gtgcaggctt	ctggacacag	gagagagaca	ctgggcatcc	85260
tcctgttact	ctctacccca	ctgtcctgaa	acaggctgtc	tcacggagtc	tggctcagg	85320
caggcaggtc	atctgactag	caagtctctg	ggatcagctc	gtctcagctc	accacctgga	85380
gctactcctg	ggtgcagcta	ggctcagtca	cgccgaggat	tcaaacacga	ggcctcatga	85440
ttgccaagca	agtacactta	gctagggagt	catctctcca	actcctatga	tcttatctga	85500
agttgggatt	ctacagctat	gccacactac	agagagagt	atggctgaga	ccaaagggtc	85560
ctgctgtctac	ccaagtaccg	ttctgtggct	gtgcaccctg	atgtctgtc	tgctgggatt	85620
ctgcttcacc	tgctgtcggc	ctggaaatca	gtgtacagaa	atgtggcctg	atgagcatgc	85680
atgaccagg	taagcaggcc	cagaaagaaa	acacaggaac	tacacgccag	gcaaaacact	85740
tgtgttccca	cgggggggcta	ccgagaaggc	caagatcaac	tgagtgtctt	tcctggatag	85800
ctaaggctga	aggatacctt	catgggggtg	gggggtgggg	tggggggaaa	tattcctctt	85860
tccatcaaga	cagaagtctt	cagaatcctc	ctgagccgca	cggaagcatt	tatgccattt	85920
tcagtagcca	tacaaaaagc	tcaagaaata	gattccttca	acactgagtt	gaggcaagat	85980
tgcttaaaaa	taaaataaaa	tataaaataa	aataaaaact	cagaagtggc	ctgggactat	86040

atacatttga aggatcacag ggatagcgaa gtcattttcta atctttgccca tgtgccaaac 86100
 atacacagaa atactcagaa agttactcga gcttatgctg gcaactcccc caccccaagt 86160
 tttctgtctg acttgggggtg aggtgaacct ggtgaagtgc cacaggggtc ccctttccct 86220
 gtaactgtga tgtatccaca cattctggga aacactgggg ggaggggggag gaggctatca 86280
 gtataaacga cagcaccctg aaattaaatg tcagataact ctgctaatac acccctcctc 86340
 aaaatctcca gtgcgtccca aggcttacct aaatgataac ctctacatct gcatgcaaca 86400
 gtgcctccta taatcctagt actgcctacc tccccagga gctgaacaca agacaggccc 86460
 aaatgtcatt ctgtgctctc tcctcttctg tccctgtgct ttctagtccc ccaaaccctt 86520
 ccaggccagc tttgctcaga agcctgtgtg gccttctcca ccagagtctt ccttttggtg 86580
 ccagagcac cttctgtcct ctccctctggg gctctctgaa gcctgtgctt tgcactacct 86640
 gtgttcatct gcttattaca aatctttctc tcctttatta aataagttag gaagaagtga 86700
 accagctgag ccctaatact atacaacgag agacaaaggt gaggttgtgc tatgggtggc 86760
 ccctcaaagc tttggatttc atcacagtta ccagagaaag ctactactaa agagtctcaa 86820
 atgtcctggc cagagatatc cttgaagcaa gaggctctca acctgtgggt ttagattcct 86880
 ttgagggtcaa atatcagaca tccttcatat catgcattta cattacaatt cataacagta 86940
 gtaaaattac agatatgacg tagcaatgaa tagattatgg ttgggggtca ccactacatg 87000
 aggaactgta ttaaagggtg gcagtactgg aaggctgaga aacactgttt tttaacacaa 87060
 gtctccaggc ctccactgcc ctccactccc ttctcaaag ctaacagcag ggctggcgctc 87120
 agctttccag ggaagcttcc ccaataccag aatccttaac aatacttggc tgatatttat 87180
 agtagccaga agctggaaac aacctagatg tccctcaaca gaggaatgga tacagaaaat 87240
 gtggtacatt tacacaatgg agtactactc agctattaaa aacaatgact tcttgaaatt 87300
 tgcaggcaaa tggatggatc tagaaaatat catcctgagt gaggtaactc aagtcacaaa 87360
 agaacagata tgggtatggac tctactgataa gtgggtacta ggcagaaagc atggaatacc 87420
 cacaatacaa ctcatggacc acatgaagct caagaggaag accaaagagt ggatgcttca 87480
 tcctacttag aaggggagaac aatataatca agggagtag aggggtgggag ggatttggga 87540
 agaagaaagg agggggaggg gaaaagaggg tgcagagtca ggtattgaag gagctagagg 87600
 agatgtacag agggtcagga aattgaacag aggggatggg gaactggagg tagcaaccac 87660
 aaagtcccag atgcgaggaa agcaagagcc tcccaggacc ccatggagat gacattagct 87720
 gaaataaccc acaaagggga aggagaacct gtcaagacca tatccagagg ttagactgcc 87780

ccccaccccc gttgaaggat ggggcaaccc acccatcttc aaagttttta ctcagaattg 87840
ctcctgtcta aaggaaatac agggacaaag agtggagcag agactgaagg aaagtccatc 87900
cagagactgt cctacctggg gatccatctc acacgcagac accaaaccca gacactatctt 87960
attgctgatg ccaagaagtg cttgctgaca ggagcctgat acagctccct cctgagaggc 88020
tctgccagat cctgaccaat acagatgaag aggctggcag ccaaataatca gactaagcac 88080
agggacccca atggagaagt tagaggaaga actgaaggag ctgaaggggc cttatctggc 88140
atcaatggga ggggaggccc ttggctcctgt aaaggcttga tgccttagtg tagaggaatg 88200
ctagggcagt gaggtgggac tgggtgggtg ggggagcacc cgcatagaag cagggttaagg 88260
tgggatggga tagaggggtt gcagagggga aaccaggaaa aaggataaca tttgaaatgt 88320
aaacaaataa aatactcatt taaaaaaaaa aaagacttgg ctgggtacttc atacctaagt 88380
tttgaataat gaaaaaatag gctataaata ttcttggaat taaaaaccag ccttcaatctt 88440
tcagcaacat ctaagtgtat gatactttta gttaaggcat aatgataaga taatcatacc 88500
atgtaataat cctgataaga aataatcaaa gcctcctttt gactttctat gcctatcgct 88560
tgctcagtgt ggaaaaaagg ggtgggggag cttatcctcc agtaactaac agatctgaca 88620
gctactaatc cgccaaggaa aacgtgcttc ccgatgtcag ggagtatagg gcacagatct 88680
actgggggga cataatgaaa cgagatggag ttacagttca ctttaaaatt taatacaagc 88740
aacaatgaat taagggtgac cacggcctca tgtacgggag gcccagaat gattgcgaca 88800
ctctgggcag ggtacctggc acatgcagaa ggattcgcaa ggagaaggag gtttttctga 88860
agcttctctg ctcgcaatgg gaagatggac ggggtgagca gctctgtttc tggctgtatg 88920
taccagggga agaccaggc cagagttggt gtgagaaaaa ctggagggtg taaagaaacc 88980
tcatccagac ataccagcct ggggacaagc cttctccgga tcttcccgtc actgtctttc 89040
taagggccct gattgcttag ttaatacacg tataaaactt caaagcatta acacagagct 89100
acaccagagc cgtagcaaat gtctgaaggg gccagcaagg gcacacaggc cagagtctgg 89160
aaagaagctg tgtgcacatg cagtaagcac cagctttact ctctgctgag aaaccacgg 89220
ctgctttaaa acccagcttg caaagcattt ctgtgcagaa ggcacaaccc ctatcaatac 89280
tccaaatcct gaaagctgat caatacacag acgctgtaag ctaatcaatg tacaagctct 89340
gcaagctgaa atatctctgt aataaaatga actgtccgta ctttgcaatt ctttctgctt 89400
ctctgtttga aaaggagatg gcttgggtgt cagggtgctca agtgcttgct gtacaagaga 89460

accacgtaa	catgtgcctg	aaatctcagc	acttagaaag	tggacacagg	gacatctctg	89520
aggcttgtca	gccagttagt	ctacaaactg	gtgagctcca	cgttcattga	gagacatact	89580
caaaagataa	gatagagaaa	aaagacaccc	tgtgtctcct	tgaacctcca	gaggggtgtgc	89640
acaaatatat	acatgcatac	aaatgcattc	tctctctctc	tcacacacac	acacacacac	89700
acacacacac	acacacacac	accccagagc	acagtaggct	gaggcagggt	aagtgtcaga	89760
tgaatcacia	tttccctggg	agttaagcac	cacaggcagg	ctgctgtcac	tcctgcagga	89820
aaggttccct	gggaatacct	tggactgcta	gaactcagcg	ccctagctta	gactcgtgtg	89880
gtggtttggg	tgagaaatgt	cacccatggg	gtcacacatt	tgaacgaacg	gccccaggag	89940
ttggtgctac	ttggggaggc	tgtggaacct	ctgggagggt	ctgccttgct	ggaggaagtg	90000
caccaggagt	gggctttggg	ggttcagggc	cttacctcat	ttcctgtctc	atgtttgcag	90060
tttgagatgt	gagctctaac	cttttgtctt	gcctgcttat	tgccatgcct	ctcccaccgt	90120
tacggatgct	ccccattata	agctcctcct	tcctaaggc	atgttggtca	tgggtgtctca	90180
tcacggcaac	aaaaagtgtg	actactacga	tatgcaacct	ttgatgactg	caccttaaga	90240
atgaagacac	ccatttgcca	aattgttagt	atcctgtgac	aactccacag	gacttagagc	90300
aggaagggtg	gtgaccacct	aggcagcagg	agcaggccca	gggtttcacc	ttcattctgc	90360
gtaacaaacc	caaggatatt	tgaaaagtac	actaatcggg	gctgggagct	ggctcagccc	90420
ctaagggtaa	gggcagctgc	tgtcagggtg	ctacaacgag	tggagttgaa	ccccaggag	90480
ccacttgaca	aaaggagaga	ctgactccca	caagttgtat	tctgacacac	atacacacac	90540
acacacacac	acacacacac	acacacacac	acacacacaa	acactattaa	gacgcagcac	90600
gccacagttc	tgtgaaagga	gaatggagtg	tttacccttc	cagctgctcc	tctcctaaga	90660
tgagacgaag	gttcttcagg	aaggacaagg	agaccaaggc	atgagaatgg	cggatcttca	90720
cgtagccggt	caccacctcg	atgagcccca	tgaagttctc	caactccgag	gcaatgttat	90780
ctagagaaag	aggagtccat	gtcaccgagt	cttctctctg	tcaggtggcg	cactatactc	90840
agattcacac	acactggtgt	ggatgcgaag	gggaagcagg	tcttgctgtg	gggaattgca	90900
gtgagaaggc	tggcatagca	ccaaccgtcc	ctgtctccac	tctccgcaag	ccacaccggg	90960
acaaggcctc	tgaggcgggg	aagcagactt	ctaggaggct	ggctgctgca	gttgccaagc	91020
tgattaacag	aacgtgaaat	cagaaatgcc	aggctgctaa	ttagccccag	ctgacaaatg	91080
gaggcaacat	ctcttagata	tgctcagtga	caggcagtc	tggctccaca	gtgcatggc	91140
aggactgggc	aaacctgtcc	cagcctggta	agaatggctc	ttgctggacc	tggagttcca	91200

tatttaaaga	ctccatttag	ggctgcagga	aaacactcca	atatcacagc	aatgatgcat	91260
gcaggtagtt	gatctatctt	tccccaccct	ggatcgagac	agggtttcat	gtatgctaga	91320
cttaagatga	ggctgaactc	ctgatcttcc	tgcttctctt	ccctgatccc	tattcctggc	91380
ctgcaggcag	ttttgttttg	ttctctctct	ctctctctct	ctctctctct	ctctctctct	91440
ctctctctaa	ataatttctg	catctctaag	ttttctatcc	tgctcataat	tacttctgta	91500
accagaaagt	tgccaggaaa	agttgctaag	gtaacaggac	cgagagccag	tgaatttctt	91560
ttatcgtgct	taccacacctt	tcacatagca	agtaacataa	actttgggtc	atgacaaaat	91620
tctaagacta	taataaatta	ggtgaatggg	atTTTTatta	tatctgattc	ttgaagggtg	91680
atttggtgaa	agtttctcct	atggtttgat	ataaagaaga	ggacaaaagc	cttataactaa	91740
gtctgagcct	cacagagtcc	cctcacttgc	aaaatacata	cagtgcctagt	tgtatgtaag	91800
ggctacaggg	aattcaacct	gaaaaaaga	gtggctgcgg	ctaagcctgt	gttttgttcc	91860
ccaagaattg	aatctataac	ccctgtgtgc	aagacaagtg	ctctggccgc	cctgaactca	91920
ctctgtagac	caggctagtc	tcgaattcag	agatctgcct	gcctctgcct	cagaagcact	91980
aggatgaaag	gtgtcttcac	tgtgtagacc	aggctagcct	cgagttcaga	gatctgcctg	92040
cctctgcctc	agaagcacta	ggatgaaagg	tgtcttcact	gtgtagacca	ggctagcctc	92100
gagttcagag	atctgcctgc	ctctgcctca	gaagcactag	gatgaaaggt	gtcttcactg	92160
tgtagaccag	gctagcctca	agttcagaga	tctgcctgcc	tctgcctcag	aagcactagg	92220
atgaaaggtg	tcttcactgt	ggagaccagg	ctagcctcaa	attcagagat	ctgcctgcct	92280
ctgcctcaga	agcactagga	tgaaagttgt	ctgtcaccac	accagtaag	taattcttct	92340
tcattgggctg	aatttcccaa	tcacattgat	ctcccatgac	aggaagatat	aaaaacagta	92400
aggtttatga	attttaaaag	gcatgtcttg	ggatcaataa	actcaaagaa	aattaataga	92460
tctgggtatga	gaaaaactac	aatttgggtta	ttaacataag	ggtcagcggt	cttgtgtggg	92520
gaacagggcc	ctccattgtg	gaagggtaga	gaatggggcaa	taaaaactaa	ggacttgggg	92580
gctcgagaga	tggctcagca	gttaagagca	ctgactgctc	ttccaaaggt	cctgagttca	92640
aatcacagca	actacatggg	ggctcacaac	tatccataat	gagatctgat	gccctattct	92700
ggggtgtctg	aagacagcta	cagtgcactt	acataataa	aatcaatcaa	tcaatcaatc	92760
aatcaatctt	aaagaaacaa	acaaacaaac	agacaaatgc	ccaagcctca	aaaactcact	92820
accacaaaaa	accccataaa	gaaaaaaaca	aacaaacaaa	aatccaaaac	catacataca	92880

aaaagaaacc ctaaaccaaa aaaaaaaaaa aaaaaaaciaa caaaaaaaacc caccttgttt	92940
ctattacctc tacagactaa gaatataatt cacttattta acaaatactt aggggcaagc	93000
aatccactat aaataaagag gacactttgt ctctgaagta aagaaaaact ttctttccct	93060
aaagatttac cagtaaagat taaaataata gtcttctgcc tatagtattt tacctcatga	93120
aactactagt agctcaacct agaagttcta gtggcaggaa ctgaaggga tctatctagg	93180
ggactttctc tgtcagtcca agactagaga agataagatt acagggtctc gctgccacca	93240
tgggagatgt tgttcatgaa tacaattctg aagcaacatc ccaggagcgc tgtctacacc	93300
aagtgaagaa agggagtctg caggctcaga ccacagcttg aggtgtggat ggacatctt	93360
tctggctctg agaggtaaaa caggagatca ctctttaatc tttcctttgc tcagtctect	93420
caacggaggc aagcaaccca aactctggcc ttacagaagt gtggactctg cagcagctag	93480
catgagccag ccatgggtct gagccatcag aggtgtgtgt gtgtgtgtgt gagagagagt	93540
gtgagagggg gagtgtgtgt atgtgtgtgt gtgtgagaga gagtgtgaga gtgtgtgtgt	93600
gtgtgagaga gtgtgagaga gagagagaga gagagagaga gagagagaga gagagagaga	93660
gagagagaga gagaacaggc ctttcctgcg taagatgtga cttaaagaaa gacgagggt	93720
gatcctcttt acaggagtat attctgggct aatggctcaa acatcgactg tctttctatc	93780
tggattttat gtttccgaga aactcacagg ggaggcgtca cacaagaggc ttacttacat	93840
cccgtgctgc ttttctaagc ctgtattctg cttgtgacta aagggacaga gccaggaaga	93900
gcatcgacgc aagtaaacca agaagcggtc cagccactgg tctgggtggg tggagtactt	93960
actgcctctc cgatgttaa taagcagatt gcccttcagg atggtgcac cttggagcat	94020
ttgagcagaa gtcaccgaat cgatggtttt cgttttcttc tcttcatcgc cgcagacttt	94080
ggggcagggg ctttcgcagg ggatacagta catgctggtg aagataaaga gtggaccaa	94140
accacaaaag tgagtttatc ttcttgcatt aaacaaaca aacaaaaaag aaaacaaaac	94200
agaaaagtaa ggaggctttt tgtttgttat tacagcagca tttcatgaaa gaaccaggct	94260
gaaacatcca aacaatcaca cagtataatc tcctaccag ggcaagccat ccaagctgca	94320
aacacacaga gggaacacag actgcagaag aggaaagcat gtcgcttggt tttagacaga	94380
atacacttcc catgcaagaa gcatgtgggt atcataggct tgtggctggg gagccagctg	94440
gtctacctgg gagacacaga ctacaggca ctctggggct ctgaataaat ggagctgctc	94500
actgatgaga ccctgcctg cctgcatgcc agaggagggt gggcaagctg gcagcgctgg	94560
ggaagggaca gccgcatctt tgtcactaac aggagtctaa ttcccaaagc ccagggagag	94620

attccaacag gtacctggcg cagtgcaggt ccattatttt cttgctaaag cacaagtga 94680
 tttatatctt gacagtgcct tgcagaaact tgtaaattga tccaaatggt gttttgctgc 94740
 acatacaata aaagccagga acctccgcag ctctctaatg aggtccttgt ccgaatgcta 94800
 ccctcagtgc cacacacaac ctggagccag aagcagtggc atgcttcctg cttcctgccc 94860
 atcatcttagg aaacggcaga gaagatgcta agcctggggc tataccttct gagaccttag 94920
 cctgtataca gaataagggc cgagaagctg ggtcgatttc tgaatgagaa aaatgaccca 94980
 atcttctgga atgggtggga cagtgttata ttcaaattac tgctcttaaa tgagtccgtg 95040
 aaacctcacg aaaagaaaga aaatcagggg aaagcaagag ctgcctttac taaagtcttc 95100
 catccgttcc caaaatacta tctatagtct gttttgttta aaaaccttaa tagttctctg 95160
 ttatcttctt atttctattt aggagagtgg ggctgagggt ttcacaggct cccatgggaa 95220
 gtggacctag ctagccaaag tgggggacat ctggcttcct ataataccac atgcaacatg 95280
 cttgtggtgt tggaacgaga atggcccat agactcatgc atttgaaggc tcagtcctta 95340
 gctaacagaa ctgcttgga aggattagga ggcgtctggt gctgagctct cagttatttc 95400
 cttcactcca ccatctggga tcctgcctt tgaaatcaca agccaaatta gacatacttc 95460
 tgtatacgca gctaaggcca tgacatttta tcacagcact agagaagaaa ctaagacagc 95520
 tctcatttct agcctggaga ggggtttcct tctgaacttt ctttgtgctc tgtttgtgtt 95580
 tttctcattt aactacatga cgcataaaac ccagctctct ctaaaaacaa acaaacaac 95640
 aaaaacatac ttggaataac tgcagcttca tacacagacc cgtgcagaca gtacagagca 95700
 cccgtgtact ttccacccaa cgctcccaac tgctgtaca tccaacataa cgataacaca 95760
 gtgacctggc acgcgtgtca ggttctgtgc atttctccat ctgtctacat agacctgtaa 95820
 attccctact gcaatcgagt tcgaggacaa cttcaacaaa gtcctcctgt gtgttgccctg 95880
 tttgtagctg ccctctgacc tgcccagac ttactatcc ctaactcccg gtaactgcca 95940
 aggtgtcttc tactgccacc ttgggaaatg ttacagaaag gcagtcatat agcacatggc 96000
 ttctgagggt gatgtgcttc ccaatgtaca acacccttga agttaaacct tcctttacct 96060
 ctctggtga tgttctgtgg ggaggcctgc ttctactt attgtaccag atatctgagt 96120
 tgtcctcact tcctggtatt acaacaaaag aggtacaga caagtacatg aaataaacgt 96180
 tcagggtcaa catgactatg tttattcttt cccattttt tttttatcca aataggaaaa 96240
 cctggagcca cctcccgtt tgttaaaatg tctaggaatc atttagcaat tgaaaacatg 96300

tctataaggg	tgtgttctga	ttatagctta	agtttcctaa	aaccactct	tgtatagaca	96360
gagcaciaaac	agtattttca	aaatactttc	aagcaagtgc	taaataaggct	tcaaaggcca	96420
gcagagggac	agctattatt	tcttgatagt	attttaattt	aaaatgggag	agactgtgag	96480
aacgggcagg	gagcagcagc	ccagtgcctt	aagagcacac	tggagggaag	gagacccaac	96540
tcctatgaag	acacagcatc	ctcactgtgt	gttacaggac	agttgaatgc	ctttcagtag	96600
ggagaggaaa	taaacttgca	ggtcaaatat	gatatagtga	gtttgatggc	cagctctccc	96660
tctttttttt	ttttaatttt	tattaggtat	tttcctcatt	tacatttcca	atgctatctc	96720
aaaagtcccc	catacccacc	ccccactcc	cctattcacc	cactccccct	ttttggccct	96780
ggcgttcccc	tgtactgggg	catataaagt	ttgcaagtcc	aatgggcctc	tctttccagt	96840
gatggccgac	taggccatct	tttgatacat	atgcagctag	agtcaagagc	tccggggtag	96900
tggttagttc	ataatgttgt	tccacctata	gggttgcaga	ccccttaagc	tccttgggta	96960
ttttctctag	ctcctccatt	ggggggccctg	tgatccatcc	aacagctgac	tctgagcatc	97020
cacttctgtg	tttgctaggg	ccctggcata	gtctcacaag	agaccagctc	tcctctttac	97080
cagccagctc	tccttggctg	ctcccagccc	cagaaggaag	gcattgtctg	gactgtgggt	97140
aagcaacttc	acactgccag	acaaaggtct	ttggctcaag	atgtagaggg	gtacatacac	97200
cccttttcta	tgctaaaagt	gattatttag	atgtaaaggg	cctctaaagg	cttatctagt	97260
aacagcttag	tcaacagctc	aacaaggtag	ggtttactag	aaggcctgtc	tgtccttggc	97320
acatgccaaa	agcaatggac	ccaagagcta	aaaccaacct	ccccctcct	cttcttcac	97380
ctcctcctcc	tcctcttcc	cttcttcata	aactgatcac	cctaagtatt	ttgttacagt	97440
aaccgagagt	tgactaacag	agactgccaa	cacatgaata	aaaaaatggc	agacttattt	97500
ttagtagact	gtattataca	attctgagtc	attgtagtcc	ctggcttacc	aatcatttta	97560
aaaatatttg	atcttttcc	ttttactgtg	ataatgggtg	agaaattaaa	caggtaggaa	97620
tttacttttc	atcttagtat	tatgaaagaa	aatgtaatct	ttggtttgat	ccagcagtca	97680
gcttacagtt	agagacatct	ccaaatacta	tagcagcaat	ggaatttctt	tttgaagatg	97740
tactgaacat	cttttataga	gagtgactgt	agcaaaacta	tacattttat	atacttacag	97800
aattgttagc	aatgctggag	actggaccta	ggtccttcta	tgtgccagag	attggatcta	97860
ggaccttcta	caagggtggg	actggatcca	gggcatctca	caagtgtggg	cagtattcag	97920
aacttcttag	ttgtattttc	agaggctcag	aaatgtgtat	gtgtgtacag	taccggaggc	97980
agggaatgaa	ttacaatgga	accttcccc	aaagtcctct	gctctgttca	ggggaggaaa	98040

caacaacctc	agacctctga	ctgtcctgtg	tttccagagt	tataaaatcc	tgtcttcacg	98100
aacatcaccc	atgacgagtt	tgtggaagta	cagcttggtc	agtcagaaac	agctctgctt	98160
ccacagtga	gcctcagagt	ccaggaagga	aaaccagagg	ccacaaagat	ggtggaaggc	98220
ttagagaaag	gaggttcttg	cagaaaacat	ggcagatcag	actactagtt	catgcccaga	98280
gccagggctt	gcaatgagac	atgggagacc	tgtttccagg	cctcatgaat	gctggtgagg	98340
gttgctttca	ctctctctca	gactgagagg	caaagctttc	actggcctag	agtagcaagc	98400
tgggaaggag	tatctgtagt	taaagtctcc	accgctcatg	cttcagcttt	gcaggtgcac	98460
ggggagcaag	gctcgggagc	acctggccag	caagctaatt	cttacgctct	agtgctagca	98520
aggcacctc	aaagttttaga	aataaaaaag	caagctgaaa	cagacccacc	actccaagat	98580
tcgcattaaa	acaagctcag	ccatcacctc	ctgacagacc	catctgggtg	aaccctggg	98640
aggtcctaca	cttaggggct	atgcagcaga	gaacctcctc	gggcctaggg	acaagagccg	98700
ctgacctctg	ggtgctgttg	cggatgaagc	ctgagggaca	ctcctgcatg	cactcatcgt	98760
cgtggataac	gaagccatcc	gagtcactgc	tctcagcggt	ggggatgttg	gcgcagaaat	98820
cgcgatccac	acagcgccag	ccctcgaacc	tgtaggtgcc	aggcgggcag	gcaggcacac	98880
acacgccttt	gtagtagtag	tgtctgcagg	ccacgcaggt	tgtgttgctg	tccggtgtgt	98940
ggcagctgcc	caggcactcc	gggtggcagc	actcgttggt	ctcggtgcat	gctcgtttcc	99000
cgcacacact	tgggcacact	gtgaggacag	agggagagag	ggtggttaagg	atgatgggct	99060
acacagcctc	ccctgggtca	tccgtgcca	ccaccagcgt	ggcgtaccgg	agactggcta	99120
gaaaagcaca	cctcctctga	aatctgcgta	gatcttaccg	tctgtgaatt	ccacttgggt	99180
aaagacacaa	cccaacccaa	gtccattctc	tcctttagac	tcctggtttg	ctatgggatg	99240
agccattaac	atttaacacc	catggactct	tcaaaatgca	gtggccacac	ccattaaaag	99300
ggagcccatg	gtactggtga	acagagagaa	atacagacaa	tatgggcctc	taggactata	99360
caaggcactg	tgtcctcag	ctctccttct	gtatgagaat	tccattctaa	gaccccagtg	99420
gatgcctgaa	ccacgcacag	aacactggcc	tgtgcacacc	cccttctccc	tcatgcatac	99480
aaagtgatga	agagaggagg	cataacaagt	acggtggttt	gaaggagaaa	tgtcctacac	99540
aggttcatgg	atgtgaacac	caggccggtg	gtggtggtct	gtttggaag	gttacagagc	99600
ctttagcagg	gagctggagg	aagtcctttg	ctgggggtag	agtttgtttg	gggttttaca	99660
gcctggccca	cttctctatt	tcctgtgtgt	gggtggaatg	cgatcacttt	gtgtttcctg	99720

cctgacaaga ctaaagccat tccttcccc cccccccg ccaccacaag gactctgtcc 99780
cctctaggac tgtacaccaa gataaacctc tatctctggc tccatTTTTc tgtcaaggta 99840
ttttatcaca gcaacaggaa agttccaaat aaaacaggga actagtcaaa acctctaggt 99900
tactgcagca aatgttaacc atacccttta caaaagcact gcgtgactgt ggctctcttc 99960
ttctcaaact ccagaaaaag aaatccaggc tacggaggga ctactctttg ccatggggcac 100020
agaagtaatt atgggtctcta aagaggaaca agctacaatc gaagtgccca gtgcttatag 100080
aaggctctttg gtaatgccc catctgcaac gtctcttcac aacacaacct tcagatcaca 100140
agcaagctgc tggacggtag aggatggtag tacacagggt ttctgtaccc agggggccacc 100200
tgctataagc cttgttaagt taaaggccag gtccagtaat cacagatcta aaatcacacc 100260
ctgaacaggc actctgctat gcacttctgt aaatatgtca tgatgaacac acgcctatga 100320
tccttacttg tgaacaacat ataaaacaaa caaacacaaa aacaaacaaa caaatctggc 100380
taacagtaca tgtacccaat tgggggaagg gattgtttgg aaatactaca gaactacata 100440
aatatgtata ttttaactgt gatgtaccaa agagtcaaga ttccatgttt tattaaaaaa 100500
aaaaaaaaact actctaaaac caaaactaag ccaaataagc cccagtaacc acagggttaac 100560
ataaagaaca cacaagttca tctgcacca aacagccgc tttgtcaacc cttcatgacg 100620
tgggtctttc cgggttcttc ctgtgcacag gtgtatgact acacatacct gaatgttaaa 100680
ccttggaacta cggagaaagc actggataga cttggagtgg ataccaccat acagcaatct 100740
cgctacgtct caccgttaca gctgtgccc agcatcaaac gcgccctcca tgcccacaca 100800
ttactgttcc atgagtacgg ccatctttgt gggcacctct gcacgccact gggatcagtt 100860
ttcagaactg actgcacgga gtcagtatgt gctctggagc cttacaccag tctgtctaca 100920
cagctctaag tcacatccaa gaattcctgt gtcactgcc ttaaaaacag ttaaatcagc 100980
agcatgacct agtaaggaga cggagttct cgtgacactg ccaaactgac ataattctgc 101040
atgtgactct aaagtcattc ctccacagaa acatcggggc atttcccctc cctgggttatc 101100
tccccctgta ggagttttag gtgttctgct gggatatgctc tttgggtcca aggcctccta 101160
gcctccactg tggttagagc gtggctgctc tgtgtttgaa gttegttcat cccatgggct 101220
ataaagcaaa agttttacta gagcttctg gaacactcct ttaaaaatac agtgtgtgtc 101280
tccttttttc ttgctggctg aaacatagaa atgatgcaca gatattcacg cagccatctc 101340
agatggaaca tgaggcaaca tagtgagttc aacttggcct ctcaagatgg ctggtgtctc 101400
tagaccagtg gttctcagcc tgtgggtcgt gatcctcttg aggggtgaca tatcagacac 101460

catgggtatc agatacgtac attatgattc ataatagtac caaagttata attatgaagt 101520
agcaacaaaa taattttatg gttggggtca ccacaacata aggaactgta ttaaatagtc 101580
acagcatgaa gaaggctgaa accactgctc tagactaaca ctgcagctgc tgacctttga 101640
acttcttcag gtgaagagaa accaactttt atctatgcaa ctgaaccatc cacacagaag 101700
acctatcttc agagccacac acaagtgaag acggaaagcc ttctcagctg gtttatgacc 101760
ttcatttatt ataactagct tcaggctggt tttggacacc cattctagct caggaacaag 101820
cagaagttaa ttatctctgg tcacacaaaa aaacaaaca acaacaaaac aaaaaacata 101880
aaacaacaac aaaaacacca aaaatcaaac caaacaaca aaaacctgca ggagccccta 101940
atatcagaat tcagacactg tctaccacag caattacctc aaagacagta aaatggagtt 102000
cactgattta acagcctacc atgttttttag cttcacacac taccactgat tcttttttca 102060
ctcaaacaca tcaatatatg acacagttga agatgatagt ctgatgactt aattaaacat 102120
atgcactgca cgggttacat caaggtttgg ggtctaaatg agcactgaag ttatttgtgt 102180
taattttttt ttttttaaata ctgtcaatga cagaagtcaa cgatctgttg gcatttacgt 102240
accacccag aatttactgg ataaacgtg cacctgtgtg ccaggcaact ggacatcctg 102300
tacaattgta cgggtggcagt ccctgacctc aaggaaagga taccacacca gggaagcagg 102360
aaagaccacg cacagggtgt tcctagtact gtgggttcct ggaaggggtct tcagagacag 102420
tgagattggc actgaaaaag gaaggccgat ggggaggggc atcaggacca cccgtcacag 102480
aggctctcag atgtaaatac aggctgagat gttgctggaa acaaaatgga ccagctcagg 102540
gaggtaccac aggcacaccg attgacggac agcaggaaat caccctgctt taggcaaggg 102600
ttaggttctc aactagaaa ggtcagcatg ctgtatagcg aaggcatgat aaccagagtg 102660
ggcagaaggg cagaagaaca gccagaggag aggaatctgc tactgattac actgtccatc 102720
tatggctcac acagatacat aaagttcaat gtaactcgct aaaggctccc tgggtgcagct 102780
gtcccagcca tccgccaaca ccattgctct gtgattcggt agctcgacgt tatcagcaga 102840
gattatcaat gaggactaga tgccaacttt ggagcccttt acttacttac ataggaaaga 102900
aaatgatata tcacaataga tgatgaagtc aaatagctac atagtagtca aagcccatac 102960
catataaaag cagggggaaa taaccttgta cactgtcttg aatcagttac ccccaaagt 103020
caaatgctac atctttccag gatgagaaag agaaatagaa atccttgaca aaggatttgc 103080
taaatttgag acatgttgag ccctgttcca ggctgtgat gggaacttct tctcaactaa 103140

gaaccataaa gttaaaaaca ctgtctttac agatagaacg gttcttttaa ggcatatacc 103200
 agatccatga gtcccttaac actcagtgat gccaaactgtg aacaaatgcg catctgatat 103260
 tctgtgggtg gaagaggaca aaaaaggggt atgcagagag ggagagagaa gatggaggaa 103320
 ggccgacctg cttgctaggg gactgactct agagatctgt gtgtggctac agggaggaaa 103380
 ggggtgtggc tctctctcca gcacagagga ttccaggagg aagcaggaga acgcagggct 103440
 gggattagac agtcctggag ccagcttcag aagcctgctg taaattttgt ctcctctcga 103500
 tgtatataaa tattattagt gtccaggact attaagggat ttcttgaaaa gccccgggca 103560
 gtgctgtctg ccagcagatg gatggctgct ctccatgagt gccaaaactt aaaatttagt 103620
 gcagtaacca aatttccaat tacagcacca tggggggaaa ggaggggacc tccccgccca 103680
 ctccagagga ggggcacaca ggcatgggta aagggcagtc caaccttaa aagaggaaac 103740
 ggaagctgtg aactagggca cgaaggaaaag caaattgatt ttgcccatga gaccgttcta 103800
 ttccttgcca ttaatcagcg aagacaataa aaacaaaacc ttattgaaac agtcagaaaa 103860
 gctacaacat gtcctgtgtc agccatcaga aggacaggtc cagggtcagc gtgcatacgg 103920
 aggccacacg ttttaaaact cctcttcatt tctttaagag aggacaaaca agcctcgcac 103980
 atcagcttgg tccttgcat tagtaagttc tttctaattt cccttagcc cgtgattgct 104040
 tctgtcagtg aatcctttca tgatcgaaag ctccgagaag cgagcaagct aaagcttccg 104100
 agtccaacgt ggggaagaaga agtaacgaga ccgcagaaga gaaggatgga agcattagac 104160
 aaggcagtgg aaaacactgg tgggaacaca gaggccagtg agggaagggg gaggtaacag 104220
 gtgctctggg tgactgtcag agcccatggg gagtaagggt ccgaacatcg tattcaactg 104280
 tagtccaaac tctagaacag agttaaaaag ccatttgcta tcagtccgta agtctctctg 104340
 gcaagaatct tcatattatt tgaaacacca cacctaggat ttccatgggc ttccccagtt 104400
 cgaaactaag ccaacaagac ctgtcttcag gctctagtgg cctacctcca aaggaacctt 104460
 tctcatttca ttaaccaaac caagcactct atggaggagt gtgtggataa gccttgaaat 104520
 agactcgtgg ctaatcttgg gagcatcctg cccagtactt aaacatgcag aagcctcctc 104580
 cgtectgccc ctctcttct ttttcttctc tctctctct cctgtttctc ctgctctgc 104640
 tctctctct gctctgtct ctcctctctc tctgtctct cctcctcctg ctctctctc 104700
 tctgtctgt cctctctctg ctgctctctc tctctctct cctctctaat ttggcccttt 104760
 ccaaggcaag aggacatgta atactcaggg ccgtcacatg tatttgttta taaagattta 104820
 tacattctac tttatgtgtg tgtgtatgta ccacttttac gtctgggtacc cagagggttag 104880

aagaggatgt cagatttctg ggaaactgga gttacagatg attgtgaaac attatgtttg 104940
cgctgggaac ctaacctggg tcccctgtaa gagcaacacg tgtgaataac cactgagcca 105000
cctccccggt ttcttgataa tgtacttgta agactttcca gacacaacca tggtaggagg 105060
agcccaaggg cagagtatca ccaaggctgg ccatgccttc tgttttgtcc tcagggttaac 105120
cagcaaggag gatgctcatg atgctcccat gccttgctac ctttcaggaa aggcaaagat 105180
aggccaggga actcaggact cctcatagtt tggatggaag ttccagtttt caaagaatga 105240
gtatctctgt tggcaggaac tgtgcctgac tgaggaggag caggggacca atggcaagaa 105300
caaggagaaa aagcccagct gggggctctgt gctgtgtcca cttacaagc atcacaatgc 105360
tttcagttta ttagtcttca atgtaccct ccactatctc tcttcacata cttttcccca 105420
ctccaatctc ctcatataaa ggtactacta tgacttcact gtacctctga aaaaaaatt 105480
acatgttgca atttgactat tgtcattatg gtgtgggtgg aagactaact aaatctaacc 105540
aaaccaaadc taatctatgt tggaggtaag gcctttggga gagaattagg attgtatggg 105600
gtcactaggg tgggacatca ttgtggtagt agtgccttta tcttatatat agagagagac 105660
agagacagag acagacagag caagcaggca agctcagcaa gtcatgcctt ggccatgcca 105720
taatgcaata ggaatgccct ccttagagac tgacactaca tccttggact tctctgtctc 105780
cagaactatg aaaaagtatt ttctttataa actaaccagc atcaggtaag ataagtatac 105840
ctcataagga atagatgggtg agtgttgctt cttggactca gtcagtact gggttacatc 105900
ctagcaaaat ctgtgggtca actcaciaag tcaaactaaa tagtgcttct ccccccgcc 105960
ccccccccc agggggaggg atcgagggtg ggagagtcag agacagagta agaagtagga 106020
gaaaggagaa tgctttctcc aaaaggaaga caaggaccta aaacatactt atgggtctttg 106080
caacgtcaaa aggagaactc tactgcctca ctactgagca agcatccaga gtttaaaaca 106140
gtgtctaagc atgtctgcct ggaagactgt agccactgca tagtctgtca cacagcaaag 106200
gcaacttcac gtggcaaaca gtgtcttaaa agcccaggcc gaaaaatcac attggtaaaa 106260
gtattctctg cctaatagcca aaaaccaaac caaaccacac cataccaaac caatccgaac 106320
caaacgaaag caatctcctt ttgtggcggg gcggtaggca gatccagagg agacgtcatt 106380
ttaagccaga atccaaagct atttcagttt ctgtttgaac agaaaggctg ttacagatgg 106440
agaacttcca cagagaaaag cggaccctga gcagaacact cctggagcac agcaagctgg 106500
acagagagag gacaggaccg cgtgcttttt tgacctgttg gcacgctagt catgagagct 106560

cctaactttt ccagcagctg atgctgtaag tcattttctc cttattgact ttcaaaggat 106620
tttcaactgc tctggggttag cttgcttcct aagaagagcc ctgaacagtg caccgcact 106680
tgggcagttt cttgattctt ggggagtata taaagggtta taagtcacat attgttgctc 106740
ccctttggct ttgccctttg ctttccacac cttgaaagtt gcagggctgc tctgcaggca 106800
gcatgggtcca gtcacagacg gccagagtca caggcaggtc cccatcttaa ttccaaatac 106860
atctgcaaaa cccctagaca gtcttccaag cagcccaagg gaagcccact gtttgaggc 106920
ggtgcccctc aatgcggaga cagcactcat ttggatctgg tttcccaggt gaccttccgg 106980
cagcattcac tcctcagggc tccatgaagg tctggcacat gcggggcaag gctgctctct 107040
cccacatgct tgcaacccta ttctaacagc acaggatcat ttgaatcagt gtggaatatg 107100
ctgagactga aagatgtggt ctgccacggc tagggtaact tgctcagact cagatctcaa 107160
aagtaaggac atgccacac tctgcaggct cattctgagc ctctaatac tgagatctcc 107220
caggtcagcc tttccacaat agctgtctga gtctctctta tataaatcca atttatacca 107280
caaaggcaaa atacaaggct gcttattaat acggagttaa ctttcagtgt tatttcccat 107340
atgcctgatg acactttagg tgtgttactt atatgcatta tttaatcctc ctgataatca 107400
caaagggtag gcatccttca cttagagatg gacaaactgg agacatcgga gagattaaag 107460
aactcatgca agaggatcag gctgctgtgc cgttggtggg tgtcacactc agagtcccca 107520
acagatgaca gcagcctctc cacacatctt cccatcgtgg tgtggacggc ttctgagcct 107580
ctctgctgtc tgaaaggcat gctgcagggg agttgcttgc atgctagttt tctttttaag 107640
catgcaacca taaggaagaa ataaaccaa agccctacta cccttttcta ctctcttgag 107700
gtatatccct aaatctagag gacaaaacaa agtaacatac acaccgaaga gccccgcctc 107760
gtgcatacaa gtgatactag agaaataata tgtatcaact cagtgtcctc tattgagttg 107820
tagccaatgg aagtctcatg gacatttttc tgccacaaat ttaaaagact agattttttt 107880
tttttttcat gagacagggt ttctctgtat agccttggtt gttttggaac tcgatccaca 107940
gaccaggctg gccttgaact tagggatcca cctgcctcca ttttcagagt gttatgatta 108000
aagatgtgga ccaccctgcc tggccgccag gctggatctt gttggtatct ctaagagcca 108060
ctgcaaagtt gcacactaac agagaagctt ctcttctgaa agatgcacag tcaacatggc 108120
ttacctgata ggaaatgact gtgacatcag accaaccaga ccaacaagac caaaaagact 108180
acaggctcct cagagtcagc tcggaccaa taagtcgact gaatgcagta agcatgctta 108240
ggttttcaaa tgccctgaga caatactctg agagggtgatc atagcatcct tccaggaacc 108300

ttgctaggtc acaactcatg cctcactcaa gagctgctcc ttcccaagct tgtaaaccce 108360
 ctctaacagc acagaggcat tctctttagc aagccataca gttctgtaag atggaaactt 108420
 tgtcgtggaa gaaaatctga gtcagggcca gttgagatgg ctcagtgggt agataaaaca 108480
 gctatccttc tgatggcctg ttcgaccccc acccccctca ccctggaagt cacatggagg 108540
 agggacagaa tcaattccta ccaagtgttt tctgactgcc acatacatgc tgtggtgtag 108600
 gtaggagtct cctcccccaa taatgtttct aagttgggga acagttcagt gcgtcctcct 108660
 tttgggagag cacagtttga aggctcggag aaaataaccg agtagcatcg cacagtccag 108720
 gacagaaggt aagccacaga gttcagctgc tgaagcatct gggaacattt cattaatgag 108780
 caaaagaaac aatgcctac tgacaatgcc tgtgggatca ctgaggcctc gggaaccaag 108840
 cagtgctggg cagagtactg agaaaacagg aaaacaaaca ctgcaaaagg ggtaacaaag 108900
 aagcctgcgg agggaagtta taaatagcaa cattataact agaaagctgc gtggaaagag 108960
 tgaggaccga ggtgcagctg acccaaagag ggagagcagg aaatttcaat aaatgacaaa 109020
 ggccggcaga acagagaggg ctctgccac ggtgggctaa gagtttcctt tcttcttctt 109080
 gcacattttg taatatcagc tttaaaaca cacacacaca cacacacaca cacacactta 109140
 aaaaagcaga aagtctggtg gttttcagtg tcttcgtaga gttgtgcaaa tactgccaca 109200
 atcgacgtta gaatatcttc atcatcccaa agcaaaaagc ccatacatag caaagcttcc 109260
 cccagctctg gggaatgact aatcttactc gtctccactt ctccactgaa tcgcctgcca 109320
 ggagcatttt acttagtgga atcaaacaaa ggggtgttct ctgtagccac tgtcttccat 109380
 ttaaaacaat gctttcaata ttcacccttg gcatggtgtc tactagtcct tctggctttg 109440
 ggctgtactg attctcactg tgggaaagcg agcctttcta ttaatgtgga gtgataacat 109500
 cgtaggtatt gggagtagaa atgctagaaa cactgacaaa ctcggaaggg gtaaggatgt 109560
 caaaggatgg tggatgctga ggtccaggca aggtgctgag aagggtctgt ttgcatccca 109620
 gactctgtat ttttggttaa ctctatccac taacttgggc cattctttga tagacagggc 109680
 tgtcacagtg ggcataatct gtagaggaat tgtcacctac agtgtggact gtgtctcccc 109740
 tctgctcagc aagctacctg tgccacttat ggaaaaccaa gtgcacacac atgagcttga 109800
 gctctgtaga aatgcctgac aaatggatgg ctgaagctgc aacactgaag ctctgctaag 109860
 atggggagag agaaaaggaa gggcaggaga gagtcaatgg aaaagatggt gacgaaggg 109920
 gcagctcaac cttagagtcc ttttaccagc actatattgt tctcacagac tgtcttaatt 109980

cccgtgtact tttaaatagt cgaaaacgcg attttcaacc tattttaaaa cccacataca 110040
 aatttgaaaa actgcaggca gattttaaca caggggagaa aacaaacaaa gagagctggc 110100
 atgggggtca ggacagacag ggccctcaag ctgatggggc atggtcagca ggggagggca 110160
 gcttcatggc tgcttcaagg atggagaatc tctgtctcac aaaagtcaca cactttgtcc 110220
 tcaagagttc tgaaaaaagg aaaagaagca agaagtcctc gcagagggcc gactcccctg 110280
 cagccgttct cagcaggctt gagcacataa agatcacttg tgactgcctg tcacagatgc 110340
 tcaaattggac aggatgggga aaaaaaatac ccttcacaca cttaaaaatt actctaagtt 110400
 attttaaatc tggaactggt tgtatatctc ttataagttt atgaaactca cacggtcgct 110460
 ccatgactaa ctgaagcggc attgagagag tagtctctat ttataacttc tctgcttggtg 110520
 cgtgcgtcca gccctatttc cattctctgg tactgtacgc agagtatatg gaagccgtgt 110580
 gggctctgaa atgctactta cttcctaaca aggcaggcct gtgttccata ggggcaaadc 110640
 agtgggagac ggggtgaggg gttgcaatga ccaagtgaag gccaggctca gaggggaggt 110700
 ctcaagcacc catcattgct caggcagatc ttttgctggt ggttttgttt gtttgcttta 110760
 ttttatttat ttattttaaa gacagagttg ctttgtaaac cctggctgtc ctgggacttc 110820
 ctctgtagac caggctagcc tcaaattcac agagatccat ttgcctctct gcctaccgag 110880
 tgtttatacc acctccacc ggctagactg cacctctcta aacgggtggt tgagcctggt 110940
 ttgggacaat cgcacacctg gtgatggctg agagatctgt tctgatgggtg tgaattcatc 111000
 aatacacaca ttcccaggct agtgccttaa atctgtgtgc ccgctcatgt cacctcttcc 111060
 acttgatttt agtgaattg tgtcaccaaa ggggtgcaagg ctttaacagg tcatgcataa 111120
 gcctctctcc atacacaaat gtttatgtga agataactga aatgactgac cagagtcacc 111180
 catgggacaa ctagtactca gagcagagca catgaggcct aggattaagt tctgttacga 111240
 aaagcaagac ggttcatgga gagagtaata aatgtgaaag atacacgcgc acatagacta 111300
 cccatggaat tcggatggct acatgtacat ggacacgaat cccctattca cagctgctcc 111360
 catcaactgt aagaacagct gctctaaggc tgcctagtca tagtttgga gaaaaaatc 111420
 aaaaccaact cctggaatct tctctaaaac aatgctctgg tgactgtagt tgtctcgctt 111480
 catgctgctc caagaggagg aactcccat gaaaaggagg aaaaggcagt ccacagtcca 111540
 cgcttccttt ttgggaaaga tcagaagggg taacaggcac ctcacacctc aatcctgtga 111600
 ctaattatga aggtggttta tttttactgc atagcctttt cttttccagt ttatatcacc 111660
 tcttaatgtc tccagattca ttcctttcta gaatcttaaa cttcattaca gccatctctt 111720

atgtccatgt atgaaataaa ttaccactaa aaacatccct gagaaacatg tctaaggcaa 111780
ctcagtcact gtatgcacac agtgaagttt acaggaacta ggaggactgt gacatcatta 111840
tagccccgac ctgaacagga tctctgatgt gactgaacct ccaggatgca cagctgcgtt 111900
taaatcagtc gcagttcttg aagaagcacg cacttttctaa acacagcacg gatatcaaca 111960
gctgggtcaag tgaccttcag cctgctcctc tgaggcccct gcctctctgc tcaccacttc 112020
cttcacctcg ctgctctgct cctgtaactt ggctggaaac atgacttagg tattcccagg 112080
accatcctac tacatacttt tacttaccaa gtagcaatca ttaaaaaaaaa aaaaaaagct 112140
cagctagacc tttaaattat ctaggagggt agaaaagcat tgtccctgat aattgtacat 112200
cctgaaaaat actatcacta gcataaatac atggaatatt cataatcagc ctatctcact 112260
gttaaaaagt acctagaaaa gagaccatgc aactggtgag ataccatttc tagaatctct 112320
ctctttttct gagtgtgcat gtgcgcacac acagacttct gttggctttc attgtacttt 112380
gcttgaattt tgtgagcaga ggggggtggaa aaaggtagca acttggtctaa aacgcatcgc 112440
aagtgttgat gcccacatgt gccaatagga atccgagtat tctggaaatg atcacttctc 112500
agtttcaacc aggttttttc gttttgtttt taaaaatggg actgcccacc gttaaaaagt 112560
tactgaagg cattcaaagt tcgagatgcc acgctctttt ttaaaacat tttttaaaac 112620
gattaatagt tgagcactta ggtgggcagc ggtggcatgc acctacaatt gcagcacttg 112680
ggaggcagag gcagggtgat ctatgtgagc ttgaggccag cctagtctac agatcaagtt 112740
ccaggacaga ggtacataga gaaaaataaa caaacacaaa aataaaacca aaatcaaaac 112800
caccacaaca acaactacaa aattgggtcc agactgggag ccacccatag cacagtgggt 112860
agaacgcacg ccagctgact gaacagttcg gatgaagatg ccaacagaga gaggcccctt 112920
ctgttttttc caattaatta ggaactgtat gtctgtaaat ttttatttgg tctttgaact 112980
attatctcct gatctcagat aatctgggtt actctaaggt gctgtccaaa tcatcaagtg 113040
ttccttgatt gctcagacct atccattatc acccttgat gtaagagact gaagcaatga 113100
gaagcatcct ggacctctga agacgagggt gaaccaggg taccctttca gacactgtgt 113160
acagggcacc tgcatagtcc tgtgatgtca cctgaccca cggggctggg agcaggggaag 113220
gtcatacaga gggagggaga tacaggtagc tttctgcttc cttcccgttt gaacctttag 113280
cccaggtctc ccttcacac ctccagacat gttctggaat accctctagg ctggttttct 113340
acggttcacg ggaattttca ttggaagctg aaggaattaa caggtagatt aactatctct 113400

ataaacctga accccagtaa gcagacagtg ccagcccgta aagcatagat gagtctggaa 113460
 cttggaatgg tgttcaagaa tcactttatc cgtggtataa aaatggaagc attcagaaat 113520
 gggaaagggc caaactgcac tccgctcctt acaacgggac ctgtgacccc acagaagttt 113580
 ggcaatgtca aggacacgag aagtttagtt gctacacaaa gggactgggtg cctatacagc 113640
 gatgcctaag atacaggacc atattttcca aatcaactta aatgtgcagg tgtgtgtgtg 113700
 cacatgtagt gcacgtggaa gacaaaaggc caatgcagta tgctttccac tattgctctc 113760
 tgcctgggtc tgtgaagcag gggctctcac tgaagcagga gcttactgac tggccaagct 113820
 ggtaaccagc aggccttttc tgtttcctaa ggccacttag tttttacacg gatgccgggg 113880
 atctgaactc agcttctcac acttgacaga ccatctctcc attcctccaa atcaactttt 113940
 aagcagagaa gccttaaagt ctgcgaactc ccaaactatc agagtcttcc tcttctaaga 114000
 aagtatcccc aggtttttcca aattctggac tcagtctgaa agcgagggtc tgaaaaagcc 114060
 agagtcatct cttccactcg ggggtgaggt ggaggtgggg gcaataagca ctgtagcaac 114120
 ttccttgaca ttcattgcaa aggagctgct gcctttcttc agaccccaga gtttcctcat 114180
 ccagcaggag gaggcaggga ggtcagggtg cagaagccgt ggagcctgta tcctagtctg 114240
 cagcgtatgt caaggtgtgc tttgtcccga tttagagaca gagcgagcgt tgaagtgaag 114300
 aagggttaag aggatggaac aaacagaaca tactttgcag gcaatgacag tgaccaggt 114360
 aaaggcagaa gctgtgtctc actccctgta atgggagcca gacatgcaac ttctgttatg 114420
 caatgctttg tgaaaagggg aaggcttttg gtggtctcca ctctcccacg ggggcctctc 114480
 tcccacggcc taggaacgca ggagagagga ggaatggcca ccacaagtct gggctgcatt 114540
 cctctgttct gcttctccat ggggcctggg agcgagcacc tttgcaagag aaaactcccc 114600
 aagagctact ggattctgga gcaaaggcaa ctcaggaact atgaaccagc aggcaggaca 114660
 tcttcaattg gcagatggag aaagtgaagt tcaagcaatc taagcgagga aggtttagt 114720
 gctcgtcac tcaactggag ggggttgggg ggagcttgtt caagcttcca aggagtgaac 114780
 acagggattg ggacaccaga aaagcagctt ttcttcatct ttgaaatcac aagccctttg 114840
 aacacacgaa ccgcacacct tccttaaaga aatactgggg attttgaaat caatttaagc 114900
 acctctaatt tccaaccctg aaacgtttta ctacgtgcat tctctaactg cactcgtctc 114960
 tcaccttgta aacaagcaag atcggtgga tgagtgtccc ctaattacgg tttccttggg 115020
 gccgtctat ccgcattggc agcacctgaa ctttctctcg cactgtatct tcctaaattg 115080
 acattctcag cccacactgg cacgctggcc tgggtgccatt caacagcaca aatgacacat 115140

cccaagcctg atacttccgt cctcctgccc tctccacact gcgtgtccgt aatcctgccc 115200
 tccacccact ccccaaccct ttgaaatttc taaaccccag cagaggaagc cctgtagggc 115260
 tcttaataag ctcatgcatg ctcgaaatat ccgttttacc cacagggtat tgtaggcagc 115320
 aattccgacc agagcacatc tcggcacgag atcatggcct ccaaagccca gcgttcagaa 115380
 ctccaaagag caccgctctc atgcagtccc actggaacac ttgggaactt caaacagttt 115440
 ggggggtggga aaaaaacatc ctctctgata cttccacctt ccacctacac tgtgggttag 115500
 gaaactcctt cctgttgctg tggccacgga gggtagatat cgcaactctc ctgggtctag 115560
 tgtttgtgaa acccacagga actctgccac cacctacaca gaaagtccca tgccagagac 115620
 aacgacgcat aaacatttta tgttaagtta gccacatgct aagaaaatat catcttgatc 115680
 aggtattttt ctagtctctg ctacagttca agtctcaagg ccacagtga ggggagcacg 115740
 gaagtacact gggtgcatat cttctgcccc actggaagat gcttgggatt tctgaagaaa 115800
 ccacctgtaa atcagtctat cccttaggta atcgagaaag agagtccatg aattgtgttt 115860
 cattgatgtg agtcctatag gtgcttcccc ttggacaagg ataggtacca agaacaccat 115920
 cctgggctgg ggagatggct cagtaggtaa agtgccctgg gttccacaaa catagggcct 115980
 gcgtttgggt tcctagcagc caaataaagc acaggacttg gcaacaggac cctgggatct 116040
 ccctggctag acgccctcgt tgaaatagca acctctgggt tcaggagat gttgtagtaa 116100
 agataatagt gataatcaag gtggagatgg ctagaggatg atggtcgaca cccaccgtca 116160
 actgtggcct tcacctgtgc acatgcacac acaggcagca agtgcacccc atatactaca 116220
 cacacaggca gaaagtgcac cccatatact acacatacag gcagaaagcg caccatata 116280
 actacacaca taggcagcaa gtgcaccca tatactacac acacaggcag caagcgcacc 116340
 ccatatacta cacacacagg cagcaagcac acccatata ctacacacat aggcagcaag 116400
 cgcaccaca tatacatata cacagttttt gaaaaaaaaa aaaaagctca aatcaattta 116460
 taaaacatta agttttaagt tggcccttaa ctactaata ttatttgaga ggatcatcag 116520
 tgaaattaga aacagaaaga atttaattgg aacctgttga tgtgtttcag gttattcaat 116580
 aacaaaaaca atctgccagc ccggtaacat ggtcatttgc tttgaatggg attgcttcat 116640
 tctgtggatc cacattccct gaggtgggcc ctgaatggct aggctcatct tctgggaaga 116700
 gggacacaat ggcacggggg agcattcctc tgcacattaa tcatgccaaa tatcattaaa 116760
 aaacaaaaa aaacaaaaa caaaaccta ccagcccga agccatgggt gcagcagtta 116820

aagcaacaac ttaagaacag acgaggccca tctgcatgcc gctgtggcca catttgaaaa 116880
ggcccaagga atgtctgtct gtctgtcttc tctgcctaca gttttcaaaa ttggtttcgg 116940
ggagagttag gttcatgctc tgtgttagaa acatattacc gagcagctgt ctggttacag 117000
aagaacacgg gcttgggaga agttcacagt ccagccctgt cagctgctgt aagtcaaagg 117060
gactctgcct cctcagagtt ccaccggagg cagatgacag acaccacccc gcactgttag 117120
cccatgaaca cacgcagcaa ggcacacagc gacagcaagt gtctcctgca catcggcagt 117180
gctctgtcaa tatcagctgc tgtctccacg taagtctctg gactggattc tcaccttggc 117240
tttgccaact atgtaacagt gcaactaact ggtgcacagg tatagaagag atgaggaggc 117300
tcctaggacc ttccgccacg gcacgcttgg aaaaggaacg tgacgaagag cttctagtta 117360
gttcccttca tgtgctgaag agctgcagat ctggtttcat ggaaggatgg ttagatgaat 117420
aagaaagaaa aagagaacta aagaatgttt tcaattttta aaattatgtg aaattgtgtg 117480
tgtgtgcgtg tgtgtgtgtg tgtgtgtatg catgtgtgca caggccaagg tgtacacatg 117540
aagggcagag gtgtgtgtga gagtatgtgt gtgtgtgtgt gtgtgtgtgt gtgcacaggc 117600
catggtatac cagtgaagg cagagggtaa gtgtgggagt cactttctct agcctttacc 117660
tgctaagcct cttactggcc cgtaagggca ggaatctgaa gtacttaaac ctcacttctg 117720
atcaaataaa acttttataa actttaaaag accgttttct taatttcagt actcttctca 117780
gacccttctg tcctagagta acctctgtgt gatccacaat agacctgggc tcaccagaa 117840
ctccctgaag gttcaatggt gatggtggtt tggttttgtg cagttctagg aatgtacaga 117900
gacacaggct gaccactgag gtcatgtggg gattaacact tcatcaggta caggagctgt 117960
agctcagggg cagtgtgctt gcctagcatg cttgcagccc tggttccaac cccaggaac 118020
gctaaaacag agaaaacacg taaataacat gtctgccagg tagcaagcta ttccaagaca 118080
aggaaggaga cttctgtgtt tcgaaaaatc tgttttgaaa caciaagaga gactgggact 118140
gtggctcagt tagtgtagtg cttatctcta tccgagaagt cctgggttca attcccagca 118200
ccgtttaaat ggggcatggt aatagaggcc tctaatacca gtccctggag atagtggcag 118260
ggggactcca agttcaaagt tactcctggc tatatagtga agaatacaag gcagactaga 118320
ctgggctaca tgagactctg ttttaaaaag ggaggaagaa tccttccaat acataacttt 118380
actcaacttt gcttcagctt acattataaa cgctggtgtt agcatagata cagaagctct 118440
ttcctgtgtg gtgatgaatc attactcaca accaaaccaa gtgaggaagc agggccccct 118500
aatattaatt acgggattca gacagaggta gttagagaac tgtataatgg taacacccaa 118560

aactggggttg agtaccceaa atactcaaaa gaaacagaca atgctaacct gggagattag 118620
aatgattct gcaactagtt cctgtgtgca tgtgcagctg gaggcccca caagttggag 118680
gcttggtggg agactgagaa agcatttgct attcgttttc taggtccaag gcattttctc 118740
caggatccat gggctggact agatggagca agtgcaggct taagaagcac aggtactgtc 118800
cacacactcc tgatcatcaa gatggggagg gtatccagct tgttggttg tcactagaac 118860
atccagttct ccttccattt gtaccactac tatctaggac tcactgatct tcagtcacag 118920
gaaaaggtea tctatagcca gtggccagag atagcctttt atgcttgctg cacgacacag 118980
tcagggcagt attccaggaa tgcacagaca gcctgtcag cttctctcac tccccctctc 119040
atagcccaga tcgaggaaga tggattcacc catcctgtca acaaagactg ccagaatctc 119100
ctgtagttgc aggtatacaa ttgtgagttg ctatttaggt tatggaaggg ctgtggcatg 119160
ccaacagata atgtgtggct acatggagggt aggcattggga aggggcaa at acacacacac 119220
acatatgcac acacacaaac ggaacacata catagacacg cacacacaca taaacacaaa 119280
catgcacaaa ggctcacaca cacacatata cactcacaca cataaacaca aacacacacg 119340
tgctcacata tacacacaca tgcattgtaca cacactcatg catacacaaa cacacataaa 119400
cacacacata tataccctac ttctgtacat gtgtagtcct gactcaggac cttgggacct 119460
gctgtctatt cagcatatgc cgctttctgt tctccacaga catcctgcag atgtcccagt 119520
gacctgctg ccgctgctt tccctgtctt tgagggtgtg acaactcctg ccacccaac 119580
attttatgtc acagcttctt cttcagctga cttgaaagct ttattttgtt caaggtctac 119640
cgagcaacca agaaagaaga gctagtgttt cacgggtaca ggggtggagtg ttctggggat 119700
aggctcagtca tcgtttccct tttagggaga cttggatcgg tgttaatgaa ctactcacag 119760
gaactggcca gaatcagagc ccttgaattt tatgcactgg tccaggagg tcctgagaga 119820
gtggatgcag agtgcactgc cttttttctg cctttgcttg gaatcccaga ggagccagat 119880
tccaggaagg aagtggggca gggaggcagc aggggtataac gaacaaacag aaaaacaaaa 119940
caacaacaac aacaacaaca accaccctca aacctggtct ggctcagcgg gtaagagcac 120000
tgactgcttt tctgaaagcc ccaagttcaa atcccagcaa ccacatggtg gcttacaacc 120060
accataatg agatccgatg cctctttctg gtgcttctga agtcagctac agtgtactca 120120
gtataataat aaataagtct ctgggccaga gcaagcagag ttctataaat tcaattccca 120180
acaaccacat gaaggttcac aaccatcagt aaatccatcc atccatccat ccatccatcc 120240

atccatccat ccatccatcc atccatccat cttccaaaaa aaaaaaaaaag ccaaaaccaa 120300
aggcatggcc acagaaacaa tgtgtgccta ttgctattag taacaaggta ctttcttcca 120360
tttgggctgt gtgcggcttc atggtagttt accctgtgct gcctgtgttc atttccacag 120420
ggaccccagg atggcaggaa gacctgcagc cttctcacct tcagaaccag agccaagaac 120480
acagagcaaa tgtcatgaat ggtcagagtc acacagcctg caggaggcaa agctggaatt 120540
ctaagtggct gagccttgag gtctcaaagt ttgtgaccaa tacactgtgg tggacctgcc 120600
ccggttccag agtcactgga aatatttctca tagcaagcag gaagatctca gggacagcag 120660
acgtagttct aaatgggcat gtcttgctag aaggcacagc tgatgtgcct tttccagtaa 120720
gcattacaag aagcccatth ccatggttga aaaatgcaaa ggattattct gagccatccc 120780
gatgataaag aggacaacaa ttgacctta aaaaaaaaaat ggaagctggg cacagtagca 120840
ctcttctgta gtctcagaac ttaagatggc tgaggaagag gaggacttgg gaagaggagt 120900
tcaaaggctg gcaggggaaa acacatcaag accttgtttc agatccacaa cgtaagcaaa 120960
ccagaagggtg gtggcaaacc tggcggcgac gcttaggaca tctaaatact caattatttc 121020
tacttcaaac agtgtaattc gtacaaactg gtagagcaca gaagcagaag aacattaaac 121080
acaggattta ataattgata tgtgcacaca catatacact gttgaagagc ttgtcgtctg 121140
aaagtttcta tgaattaaat atttgttcat taactactcg agttcacttg caaggcatgc 121200
caggcgccaa gggagagcac agaagtgcac aaggccttcc acacaaagac caggaaagga 121260
gatgtgcaca tagataatga gtaaggcaca gacttatgtc ataaagatgc gtatcaggaa 121320
gccaagagca ctgccagcca agaccatggc gtggaaaggc atgtgtaaag cagggtgctcc 121380
cggcagggtc catgtatgca tgagaatctg ctggagtgat ggtgggggtg ggcccccttag 121440
atccatgcat ttcaaggga aactatcaat tatcatcttt atttatttat tttatgcatg 121500
tgagtacact gtcactcttc agacacacta gaagggggca tcagattccc actacaaatg 121560
gctgtgagcc accatgtggt tgctgggaat tgaactcagg acctctggaa gagcagtcag 121620
tgcttttaac cactgagcca tctctccagc ctaattatca tctttactga taactaaaat 121680
gccttaaaag tttaacttag taatactctg tttaaaagg atataactaa acacagccaa 121740
tctgttttaa acaacacagt ttcttgagtt gactagaaga tgctagttht tcattctggt 121800
tctcctggt caagaagatt tcaaactatc tacaatccct catttaaatt taaaaaccaa 121860
ccaaccaacc aaccaaccaa cctccattgt gagagggtgc atgccactgg tacctgcctc 121920
ctgctcctcc tattacaagg aaggatggct taatggcctt gctgggctgg gcttcctgac 121980

tgcctaacag tgtggaaggc tgcacaggca gtggagggaa aaaaccccca aacctctgtc 122040
 gtttggttaaa acaaacgagc attttcacat tcactcatac tccctgaccc catagatcct 122100
 gtgaattcta aaaaggacca tgcttgatga gaatgttttt taaacattaa cgctacaag 122160
 gtggagagcc agaagaaggg agccaagagt ggatggcgac cctcttcctc tcatgcttag 122220
 caatttctgg tttcactcct atgcttctga gcaccccaac aggaaggctt cacagctcct 122280
 gaaggctctga gctagaccag ggtacacatg aatatgctga ttatgtggtg ctcatgcaag 122340
 gagacccta aaagatgact tccccaccta agtccgaacc gccatgactc tgagataatt 122400
 tacccaaagt tacatttctg tttcccaaag tattaacaag agtgtttggc tcttttaaaa 122460
 agaagcttag tctttcaggg cttttttttt ttcccttttc ttttttcatt ttcaacaaat 122520
 tgcttctatc gtctgagatc tccattacgg aactgtttgt attgagtttt agtgaaggaa 122580
 gaaaaaaaaa aaaaaaagaa aacagagcgg ctgggaagat tcaagtgtgc tggagactta 122640
 acattaggat cgggcacacc ccaggcttca ggggttaagtt aaggaggggtg cttgtgtcca 122700
 gtgtgagagg tggggatggg gatagaggaa gcttcctcgg aagacttgac cactccccct 122760
 cttttgtgaa gcctggaccc ctgtcacagc gagtaccaga gtacagcact caccatgag 122820
 cctcaattcc atgtgagcct attctttact ccacgttagt ctgcctcttt tgcaagcaca 122880
 ctctgcaact tttcatttta aactgtgtgg tgtgctaacg agagtcagca gctctctgag 122940
 tgacctaggc aagttctttc ttccatgagc tgcctccagc aacagagaaa gggggcaata 123000
 ctgttgcagg gtcacggcag ttgggaacac ttttctata gttccagaat tactggtctc 123060
 ctacccaaac ctcagatcat cattaagaca tgctaattgt tagcgagaca gggtggaagg 123120
 atctttttct atataaaata ctgctgactg gggcgtggaa cccctgtcct attgggtgct 123180
 gtggccatgc aaaaagaggg tcttccaaaa atttaggatt aagagggcat ggtgggagag 123240
 gaacaacaaa ctttgaagc cttctcaatg tactgtagaa ttaaaagcca accaaggcaa 123300
 ggaagggtgcc ttccaacct aaaaatccagc caccctctgc aacgagccca ggctgctgg 123360
 agaccacgtg aggtggtagt gggtagcct ggaacctaac ataccacttc tagtaccgcc 123420
 cagctggcac ccaatcagga gcggcacagc attctctaag ccaggttg cactgcaat 123480
 catcttaagc atacaatggc attgatttcc acttaggggtg tagaaataac actcagaaat 123540
 ttacctatc tctgctgttt tgctgcaaaa tttcaaatac tctccaagaa acgcaaacac 123600
 aacagaacac ggaggatgtg acacacaaat tctgcacaat ctactgcca atacctcgat 123660

gttataactca gtgtattaaa tggaatcaga atcctgagtc ccactgtcaa acttcctcct 123720
 cgtctagtcg gtatgtgtga ctgacagctg atgtcactga atgcttgatg tctgaaatgc 123780
 ctaggattcc tttttctccc cccatccaaa tataacagct ccatttcata ctccctagaa 123840
 tttcatttgt gactggtttag cacactatca gtgaggggaac acgggggctg caggaagctc 123900
 accgtcctta cagatttctg ggagggagct caagagtaag taagtgtgta agccttcata 123960
 gctctaccaa acacatgcat aaaacctgat taaacacaga ggaagaacat aaatattctc 124020
 agtcttctaa ggggcagatg aagtctgggt aagaaggact aaagaaaaag catagagtaa 124080
 aattcgtcc cgctttttta taactcttta agataaggag agttgtttta tgttttcaaa 124140
 ataggcagag agagagagag cgagctagag agagaaagta tgtggtatag tttatgtgtg 124200
 tatgtgatgt gatttatgtg tgtgtgagtg tgtgtatgtg gtatggttta tatgtgtgtg 124260
 tgtgtgtgtg tgtgtagcac tgtgacagag tgtgtgcttg gcatgtgaaa tcccctgggt 124320
 tcaatecttc ccttcagaa tgtttccttt ggaacaaacc aatacatctg gtgacgctga 124380
 cctttagtgc cctcctcca ctacccctgt tttctacagc aaaagtatct acaaaaagga 124440
 agccgtgcct caggaagtct tcaccaaagc ttgaagagca tggagagaag aagtaagggt 124500
 ccatcagatg ccttggtgtg aggttaagtcc tccctcccaa tcaaccaca atgaatattc 124560
 tctgatgtca gcccctctct ctgagcatcc tgtctctgag accttggaag taagacttct 124620
 gtgtctggga ccaaaactac tggggctatt ttggcagctg agccctctgc ctccctctgca 124680
 gggaaaaaca gtaggaacat ttcaaataac attcatattt gagatatttt ctggctctgc 124740
 gtatttttct acttcatagc acgtgtaatt gtccctccctg ataaaagtgg acctagcact 124800
 gctattttta aagttttgtg ttctacactt taaaaggata cacaaagtcc tagcaggaga 124860
 acgtcaatta ccaagtacaa aaacaaaaca aaacaaaaat aggaaatcac catttggcca 124920
 atgccacagc aatgggtgtt gaatgaggag ggaagaaat aatgaacagt gtgttttagag 124980
 agtccccgaga tctgtctcaa agtacttctt aattagagat aaaaataaag atgttaagtg 125040
 acgagaggac cttgcagaga cagcattaac caagtgtcac aattacctaa gcatggggca 125100
 tcaggtgccc tggcaggctg acgtactgac tcttcacagc aggaaagagc acaggaggct 125160
 gtgtgtgggg ctgcaaggaa tgacctcca tgaagtacct ggatcgagct actgaagtgt 125220
 gggaaaagtg tcccggaatc ggagaaatca aggaggacag gaatcagagc tgggtgggca 125280
 ccgctcctgg atcaggaacc acaaatggca caagagaggt caaagggcac tgggaagaag 125340
 gggcagatgg tggcagtaca gtgcaggtgc taccttcatg gttcggacag cttcatcggg 125400

gttttgtaag atgctaatta gaagatgtca gacacctccc acccccacgt gtgcaaaact 125460
gaagcagaaa tatttcatat aaaacaaagt gttttttttt taagttccta aggtaaataa 125520
aagcaactta gtgacatatg gaacacaatg tccccgacag tttgacaata aggcaacact 125580
cttccttcgg gaggagagaa atctctactt tgcgtaggga cacatcaagg atatgcttct 125640
ttggaaggtc ttcaggctgg cagagctggg caccaatggg gatgggtgtg gggcgtttac 125700
gttctcaciaa tccccatct atctcatgtt accctccagt gcaacggaag tggaggggtac 125760
actgagtgtt catgaagaga aagccgttaa cgagatgctc aacgagaata taaccatctg 125820
tcgcacttgt cccgcatgtc ccatgccctt ttcctaggct gcaagcacgc aagtgggtaca 125880
cagatacaca cccaggcaaa acatccatac aaactaaaca cacacacaca cacccttttt 125940
gggtcctttg gagtccttgt ttatgggagc agacattgtt ctgtcttctg tcacagatag 126000
catcctctga gcttggaag tttaacatga gattgatccc actctttcca agggggagag 126060
ggagactaat gtgtaagcag acagctccca gtatcacaag ccttagtttc ctcactctatc 126120
actatgtggt ggtagtgagg gcagtaaaaa gacctgtca agctttgact agaacaacct 126180
gagattcttc attctgggag tagccttaaa tgtaactata ttcactggca aagaagaaca 126240
aactaaggcc ccagggtgaat gtaagaaggc taccattttt acttcgggtga tgctgagtgt 126300
taaggcgtgt atagcacaac agaggagtac tccaccgaa agggatgcac tgtctctttg 126360
gagtcgaggt gccccctcca ggtaatgaga cagaaaggag tggatacagc tgggtccaggt 126420
tcttggtgtg ctccgagagc tatgctaagt cctctgaatc aatgggtatga cacaagtttg 126480
ttctctgttg agctggtgtc ttacttcatc accagtgtc atctctaact cccgagctca 126540
agaaatcctt ctgcaggatt ggagagatgg ctcagcggat aagagcactg actgctctcc 126600
cacaggctct gagttgaaat ggctcacaaa ccatccctaa tgagatccga tgccctcttc 126660
tgggggtgtc gaagacagct acatgtactt acatataata aataaatata tctttgggtt 126720
ggagcgaacg gggctgggga gagagacgaa aaagtgtctg aagatagcta tagtgtactt 126780
atatagaaat aaataaatta aaaaaaaga aacccttctg cacagccttc tgaatagctg 126840
gggttttcagg cttgagcccc ctttagagac aggcagcaga gacacaaagg cctgccaac 126900
atgtgtagga ttagatagcc tgggtatggc tgaagggaac aggtactcag gttggcccag 126960
gccaggagcc agactctagt atattatgca aggttgcctc ctaaattata atgcacttca 127020
tttgagaga gtccaacact agactcatgg tgtctggtag cccagagggt aacaggctgt 127080

gttcttcaca gggaacatct gaggacagag acggaccaag agggctcttg acggtggctg 127140
 gtggaagga ctaggagcgc ttacggcgag ctgcttgga gaagcctttt cagggtggtta 127200
 tctgagagaa ggcacaggaa gtcataaat taggacctga ggacttgtcc aggataggcg 127260
 cagtagtgag aactgcatcc ttgtgaagat gggtttgacc tctgctggag gctacaatgc 127320
 agctaaatgt gtctttatct taatgactcc agaaacgcca tgctgtgaaa gaagcaggta 127380
 ggtagagga ggtcaggaga gcaaaccaac ctcacgtgaa gggtaactca cagacttgtc 127440
 gttcactttc cagaacccaa ccctcaaaag aacatacttc taggggtgtag ctgggaacca 127500
 ggaagcagcc agctctgagc tgctgcttgc ttgctctctc acacagtggg aacaagcaat 127560
 gctcatctct tttcaaagca ctccaagcaa ataaacacct gcagaggagc tgatggagac 127620
 agacttctct tactggggtg agtctattaa acagaaaagg aggcataaaa atgataaacc 127680
 cagaccgtca gaacacagtg agtgcaagaa actgtcagca gagagcgaac tgcttccttc 127740
 tcacgccgga gggcactgct ggattaagca taatacaagt tatgtatgct cgctgatgtt 127800
 cctgagcggg taagaaataa ccagtgttca ctagagtaaa aagtgcagcg gttctgaatg 127860
 catgctggaa agatctccag caagggacag tgcaggaaaa cgggagcaga agtctcagcc 127920
 ctggtctgt gtatcacctg gtcacgcttt ctcactgagg gatattgggc cccgggcatg 127980
 agaggagagg ttcctgctac ctagtgactt tctcaagact gacttaccac taacctgtct 128040
 cctatagtgt caggagcttg agtctgaaac agtcttact aaatTTTTTgg ctgtaactga 128100
 aactggacta agtaattaaa aaggtttcaa tatttaagct cacatttaag ttgggaatgg 128160
 agggatggt tgatagtga gagcactggc tgctcttcca gaggaccag gctcaattcc 128220
 tatcacacat ggaggcttag aagcatcttc ttcaggagaa gacctacagg ggaactaata 128280
 tccttttcta gtgcacacat ttaaaactga ggcttagttt aaaccctgtt ttaccagggg 128340
 caggggtgtc tgtgcacaag aaagacagac agagtttagt tttagttcta gacttctatt 128400
 tgctcaccag gaaaataaca ttggtagact ttaccaaact ctgcagcaaa aactaaatga 128460
 taaatgtact ctcaaaacag ggctcaatat cccacagggtg atcagggtca acttttccag 128520
 ggaccctggg gtcagtgggt ttatacttg gaatgagaac acagtaaagc tgggactgcc 128580
 aatattctct ctaggactct ttattttctt tatggcttcc cctagcttat ttagaagaca 128640
 ggcttctgtc cctcagggac tggacttctc aagagcagaa cactgctgta ggaaacagtg 128700
 tcttccaaga gtcaagggaa ggaggaatgc caccactgag aggagatggc ttgctttcct 128760
 ccctcaagaa aagagtgagc aaggctccat ccacggcgtg ttccaacacc ttccacata 128820

gctggaccca gatgtcatag gggacttgca gaaaggaagt ttcaacatca gctagccttg 128880
gcagatgctc ccaagtcgtt caaaaataaa actcgggcca tgacggtaaa gatgggatga 128940
cggcttaaga tggagcaaga ggctttcccc gtggcggggc tcagcttagt gctatgcccc 129000
cttgccgtct tgttcaggaa caaacggggg cccagatgag aaacgcgctc gcgttgacca 129060
tccagaaagg cagagtgtgt gcttctgaag gcagtgttct ccagcctttc taccttccat 129120
taaattggttg agtctgtcct tgtgtggatt gatgttattt ctaaagcaca caattcattt 129180
caagagggga gaggcaggat taagctggaa atagtttttt ttctattgag aaaaaattaa 129240
gtgtaagtgg aaacgttttc atgaaaatgt ttttatatct caacgtttcc tgcgagcact 129300
ctgatcccaa tatatcacag gactgagctg gatgaggag aatgaaggca aatgaattt 129360
aaataaaatt gaaactgacc ggctaggctt tattctccaa atctcatgaa atagcaaagc 129420
tgagggggac agagccacaa ataaaccaa agaaaaaaaa aaccaaaca aaaaaaaaa 129480
aaaaaaaaa gaagcaactc aacgctttca gctcaaatga gtttcaattt tatttcaaaa 129540
tgttttaaaa tctagtttat tttcatagcc aaaaagctt ttgaatacct atgaatcaa 129600
agccatttgg cagaaccatg gagcttgtcc tagttgcttt ctctcaaact cttccctggg 129660
cctgttaacc ccttgtagt cagtcacgca cagcaggta ctctcagta ccagttctta 129720
ggggcactct acagccttag tgtgtatgag caggcagagg ctctaggctg gacggcacat 129780
ttttaaaata cacattttta agtgtatgta ttttttttta ttagtcttaa ataggatagg 129840
gaaaatgata tatacagact ttaactacta attactttag acaaagaaca aacagaaaac 129900
aaaaaaca aaacaccccc tccccaaacc caaaccaaaa aaaccactaa aaaacaaaac 129960
aaaaaaacc caatccacat cctttagaga ttattttgtt aatctgcac ttgatctgtg 130020
ctgctcaggg gccacaggag gccacaggag gcctctgaaa cttgaaacag ttaagattaa 130080
gtaaaaagtg caacgaagag agctcaccac atcctaaatg tttctcaact actcaactcc 130140
cggctaccac acgcagggca gacacagggg atctgtcgag gcacaagact acagagtaac 130200
agtgcaggtc agacagaaga gcaggggtgt ggtctcagtc cagctctcac atagctcatg 130260
ctggcctcaa tttcgccatg tctctgaaga tggccttgaa ctgatcttcc ggctcccttt 130320
gggactgcca ggtgtgtgtt actctacaca ggttacgtaa ttgtcaggcc tttgtgtttg 130380
tgtgcatttc cctaagcaac ttcattgtaca aagctaagtt gggatgcat tctctccca 130440
ggcctggccc ctactctct accgtaaaat gcttcttccc taacaacccg acttgagtgg 130500

ggtccctacg tacagagaaa ggagatatatt acagaagaaa gggcaaatga ctgctttttac 130560
 agggaaagag catcccaggt caacacacgt accagattgt agagagggca ggtgtctcca 130620
 tccccgtgcc tctctatttc ctttccaaca ctcagccctg tgtgagcaga gagtaaggcc 130680
 cctctttgat gctgcacccc cctattataa gcacaatgct tgtaaccaa cagatggttg 130740
 gatgtttggg aaatgactga atgaaacaaa agaagaatgg tattctgtta aacaacagcc 130800
 aacatccctc tagagcctgg acacacgtct ttatagagcc tggatacaag tctttatatt 130860
 ggatagcaac ctctttactt tcaaattgcaa tctcagagca acccagaaga ctgattcagg 130920
 tagtatacca cagctcagtc tcttccatgc tcaacaatgg ctctttccaa atggcattag 130980
 cgttgtctac atatctgtac agtcagagct aatgtctatc tgttcgtctt taaatggccc 131040
 agagcttttc actttccata tactatttca cctacccttc acctggatat tgtctataca 131100
 ataaagagga ggaaaccaag gcttggggcg aactgacttg ccagatcaca tagagttata 131160
 ggtatataaa tggaaaagct ctggtaaaga ttacagacta tgctgattct attagctggc 131220
 tgtaggacag ctgaatggat ctctttcaag gaagggcatg atttgtaagc atcccacacg 131280
 tcagtgtga gtaaggctcc taagtctgc tggcttgctg ccagccagta gacccttcc 131340
 aggggtgaggg aactgggcag agctcagcac aaccagctc acctaaactgt ggctgtcaga 131400
 atcattggat cctgcccac atacatccac tctgtggcca tatcccgcag cttcacaagc 131460
 ttcacagagg tggggcctgt gtctgcaaaa agaccagctt gagaagacca ggaggtgtat 131520
 atcaagtacc actcgttcat tcgttcgttc attcactagt cagaacttca aaccaataac 131580
 cccagaagta aagacaaaaa ctccctctgc cctctgggtg cttgaacttc cctcttggac 131640
 ccaattccca caggttaggg tttccagaag ctttcaaaaa aaaatcactg atgaaacact 131700
 agctctttag cttagcgtat tatacaaaaag gctgatttcc gatttatcaa agggttacca 131760
 aataggaagt ataaaaaccg tatgatcctt acagggaatg gtcaaagagc agtgatcaag 131820
 tcctgattt acataattct cagccattct tttggcagac ctctacagcc actaacattt 131880
 ccatctacgg atgataaaaa gataactctt cccccttctt gggcgtctgt caggtataaa 131940
 cttgaagccg ggcacagta atcctcacia ctcccaagg aagaggtatt accatgtttg 132000
 ctccagatta agaaagaagg gtcaggcctg aattccaggc atcagaattc tactgagagg 132060
 gaagagagac agacagacag ctttactctt ggcctagagt gcagagaaaa ctactacttt 132120
 ctgtgggaag aaaagtcagt caaccacagg aatcacagaa ggatccatca caagaggacg 132180
 ccactgtccc ttaagcagag acaggactga gaagaacaaa ggtactactg ggacagaata 132240

tggagaggtc agcttgagga agtgctctag caaatggcat caaggaggcc atttcccaa 132300
 ctggagagag acctcagatc ctcaccacag gagccaggta gcactgtggt acgcacacat 132360
 accatgtgtg tactgatgtg gtgggagaca caggcagagg tggcaggggtg aaatcaggtc 132420
 aagaagaact gagagccagg ccggggccac tgctctgccc tgcttatgaa agccagggga 132480
 ttaagtcaag acttcactcg tgattcaaaa agttatctga agacatggcg ggaagtacag 132540
 ctaggtctca ccacccctcc ccctccccc cagctctgca tgctcaactg aggacgtgcc 132600
 acttggcacg ctggcactct cctacaggaa aacatacttt ggctattcag acgtgacttc 132660
 ctggcactcg gaagctgttg gcatggaaaa attaacaggc tgacttggcc agggaggaac 132720
 ggttaacaca aatcaccagg aaaagatgag ccctgagcaa gcgggagggt tgaggggaagg 132780
 gtcacggaaa aaagaagggg taagacacat ttgtcaggag tcccaggctg gtaccaagcc 132840
 cactgcatga caaagggtcat tgagccctca cagccataca cagacatcac ggctttcctt 132900
 tcaggcagtg gacaaggagg ctaacggagg tgaacttact tggcctggat gaggcagcta 132960
 ataagggaca ggagctggta cacacatcat cacaacattc ttcattacgg tctctttctg 133020
 ccttcaacct cttgcccagt ttgtaacttc ataaggtggg gtaatgatgc caggaacttt 133080
 gtagccctga ggcagaactc tgccccagct gtggccttcg taacctcccc ttactacaag 133140
 cgacacagcc acctccactc aaatcctgac gacagctcag tatataacgg tagcgtgtta 133200
 catactaact tggtcatttt ggggaaagct gcttgtgtgt gtaaaggggg gggggtggtt 133260
 tggggcttgg gatcaaacia atgagtaagt aggaaaaaag accaaccatc cactgagatc 133320
 ctaaccaggc tttcataact taagactgga gtcttccaca aactcacaca ggtagccata 133380
 gaagctactc ctggaaatcc aatcctggcc agaacatgct agggccaccc acattcctac 133440
 ctgcagcaac cttcctttct cctcagcat caaccctaag atcctccagg gctctgtagc 133500
 tcagtaactt tgcaggggtg taagtctaga ggagcccaga ggtccgtggc ctcccatgtg 133560
 ggggttacaa ttcctacaac cttaaactc gttaaagcgtg ccacaaggc cttcagctt 133620
 ctgcagcaga cttccaaacc ttgcctttac acttaacaaa gcttctact aaatatctac 133680
 accaaatttc cgtacattag tttttctttc tgcttgtgaa aggggtggtg gtggtggtga 133740
 aactagtcaa gatcggatat cctctgcaat accagcttct agaaaagagc gtttttgaat 133800
 gggatgccac gtgctgtgtt ttgcatatt gcctgcgctt cctgcttggg gccagagtaa 133860
 cagaaacctt gggcactggg aactgttccg tgccacgcaa attccactcc gtatcttcca 133920

ggcaaccctg tgcgaaataa ttcattgtcca ctacgcccct accacacaga atacaactac 133980
 attgtgctgc tagaaatggg aaacctgatt cagatcagag aaggtagaaa aacatttagt 134040
 tcaacacaat actgccttta tgaaaagggg cgtgcgccgg gtggtggtgt aaatcccaaa 134100
 cctgtaagtg gggatagatt tcaagacgaa ttttgaaga aaatgcagaa tcaaaatagc 134160
 atccagcttg actcagacca gtaataataa taacaacaac aaaaaccag ccagtccttc 134220
 tagagctacg cctgttttagg ctgcgcgggtg ctcttaatgg ccagccagcc tgttctcctg 134280
 ggaaatggtg ctgctgctac agcgtgactt gctttgcgtg ctgcaataaa aggaaaacaa 134340
 gcttgacga cccaatagct tccttcagtt tgtgcctagc agcggggaga aaattaaaaa 134400
 aaaaaaaaaa aaaagcctga aaaggggtcc tgaggcaagg tgaatggagg acaggatcct 134460
 agagaacagc actgccttgc aggatttttg taaacagcag cctgtaatgg ccacggtttag 134520
 agaaagaaaa acagacatgg agggaagcgt gtttacaact gcagcaaggg cgggaggcgg 134580
 agggagggat tccccggctc tgcgctcggc cctcttcact ccggtggggc cccggggttg 134640
 ggctgagctt cagctcccca cccaatccg tgctttcttg gggggcccc catcttgttt 134700
 atgggaaggt tactctcct cggctctggt gatcgcgtcc ctaatactcc agctgcatcc 134760
 ttgcgggatg ccagcttgac tgacaagtcc tgcagccaat cgctggttg gcccttagga 134820
 aaggtggaat tcccaacaa actgattggc tgagagagag ggcgggccct ggtgattggc 134880
 gtgttattcc gagtagaaag tagtaacaa ccttggtcca ggggcggttg ggagggcgcc 134940
 cgtgtccagc tccctctggc tggcagggcg ggggtgggaa gcacccgaga caaaaggaat 135000
 cctggctgcc acagcgggga gggcaggaag ggggtggccc caaaagtcag cacctggagg 135060
 cgtcgttttg agcccccccc ccccccccc cgagccagaa ctgctgactt taagccacac 135120
 atcgtttttt tgttttgtgc agaacctcaa aggttttgtt tccatcattt tcacttcttg 135180
 tatggctgac gaagtctcca atggaatgat aaccgattta gtcgcttttg tccagaagcc 135240
 ccttcctcac cgtcgaataa aaatttaaaa ttgtctttta cgaaagttgc tttaaatcac 135300
 aactaaaaat tgttgacta tacaatacgc cattaatggc atgctggtgc accagacaca 135360
 cagctacatc ttttgatagc aagtttttagg agctctgagc ctattgggag cagctgggat 135420
 ggagaacata cacaaaaaga aacaacacat gacggcggtg ggaccacttg ataagaaata 135480
 agcggttaac ttgccttgcc catagtattt ctggcagtct cacttgaatc tcccattccc 135540
 tcactccagc ttcacatcc ttacaggacc ccaggcggag gaaaccatct gctcttagga 135600
 tggggggctc tgctcaccac gcacataaac atgctcaca gtcgctatcc tgagcaagcc 135660

tcctcaatgt aaaagggggac caggaggcca gccaaagccg ctctctccac ttcaatgctt 135720
 gttgaatata cagagaccac gttgtcactt ttcacaatca agatatatcg gtatcacgat 135780
 atatcgataa cgggtacttt ataggagata acagtgcaaa ctggccacct ggcattctcc 135840
 tttgccattc tagtccctca cctctgctat ctctatgga gcctgccaca agcaacccca 135900
 gtaaatgttc accccaagtc acctttgctg tataaaacat ggatttaggc tttccttggg 135960
 ccttgcagcc tggcatcaga ccccaaacca gtagctactt tcattgtagg caccctccct 136020
 ctggacactt tgttctgttc ccaggctcct gccagacca cacacatcat tttactcaac 136080
 gttgggtttt atgctttcta gactttacct ctgcctgcc aggagaggcc actgttctcc 136140
 accgttctcc ctggcccagc taccctactt cttgcagaag actgaaattt gttttcttag 136200
 cactaagtct ctgatagggc tttaatgctg tatttagact ccactcctac gttaagacc 136260
 tgaacttctt gaggcctgga atgggtattat cttcagattt gggctctcag tggagatggg 136320
 cttctactaa agtgcccgct gcaaacttgc caaatatttc taggattctt ccctagcatc 136380
 ctgagtatgc ctaccctga aaatctttcc ttacacacgt gcaattaatg tgttttctct 136440
 gctgggtcaa caactctgtt ttctctactt ggcaaatttc cactctgcct aaaatcactt 136500
 cctctcttgg catacctttc acaacctccc accaactaca ctgtgtacca agagcagaga 136560
 ggtctctttc cgttcttact tctctggcca gaattagcta caaaactaga actagcatgg 136620
 tttgttggtt aaggaagagc ggagaggcaa aatttcagaa gtggtatcac ctgtacatct 136680
 gcataaccaa cccattgcc tctgtagggg tgaagcagcg ccatgctccg tttgtggctg 136740
 tgatgggtct cccctgcttt ctgtctgaag gcctctgtct ctgaggtgga ttcttactcc 136800
 cccctccatc tcaatcagag atctcctctt ggctcttatg ctatcaactc tgcacatccc 136860
 cgattccttt ccaccatgac actgaactgt catctccttt tctatctgac cagtactga 136920
 cttgctcaca gtttagtctg tccgccatac agccatatcc agtggttctaa gaattgtggg 136980
 gttccacagc tggggctcag tctctgctta cgccctcatg tgacatctgt catcaaccct 137040
 ccatctttct aagcctttta tgggtggaaaa gagtaaact gtagataaag agtgggtacca 137100
 gatttcacct taagattaca gatacttgtt tgtgaataga atttggtctg gtacaggcaa 137160
 atgcacggtt taaaatcaaa actaacaaaa tatacagtat attagctggg aacaaatagc 137220
 caactaaagc aatgtaaagc tgggagtctg tattctggct caaagcccat cacggtgagg 137280
 caaacatgat ggcctgagct tcaggatgct cattaccaca ctgcacctc agtcaagaag 137340

cagagagaac tggttcccag gacaggggct ggtgctgcct aagtcttggc cttcccgtct 137400
ttaagttaac acggcccttg gcaggcatgc ctgaagcttg acttttcggt gattacagac 137460
cctatcaaac accataaata ataacaccac acatatatta catatataaa aactataaca 137520
cagaacactc aattggcttt cagtaagtgg gctatTTTTT tttctttgtt gcttaatgta 137580
ttctagatct gtctatgttt acaaacggta tgtcttctct actaacaaat aggatttcaa 137640
attaaaaagc tgaacagcaa aggagacagt gaagagacaa tctgttagct tttcatctga 137700
caagggatta atatactgaa tatataaaga acaaaattta aatgtcaaaa gaacaaataa 137760
tcaaaccaat aaatgggcaa attaatacaa tgggcagttt tcaaaagaag cacaaaagac 137820
caatacatac atgagaaatg ctcaacaccc ttagccacca gggaaatgca aatgtaaacc 137880
acaccgagat tcaaattctca cccattcac aatgggagcac attaagacaa ccatcaacaa 137940
acactggcaa ggatgcaggg ggaaatgtgc ctgtacacat tgttgggtga aataaaaatg 138000
aagtagttta gatactatgg aagcctatat ggccaaaaat gtgctactac ctcacttcgg 138060
gatgtacaga tgtgatgcta agtcagcaca cgacacatcc acgttactat ccacatcagc 138120
caagcaatgg gaccaggaaa agatgaagga aatgtgatgc acacgcacag ctgtgtcaga 138180
tgtcaaggat aaaaccaaac tatcggcggg aagttaagga gtggacaatc atctgaagtg 138240
acgttggcca gaccaaagcc tatctcatct gtgtattttt tttttttaat gaaaataaaa 138300
gggaggcttt gtacagaggg aggaaatgat acagaaggga aagaaggagc aaacagaaga 138360
taatgggttg taatcaaagc acattttgta tatggatgaa agtattaaaa caagaaaaca 138420
gccatcttat cttcacagac agcattctgc tctatagata accctgagtg gtccccaacc 138480
ttgcctgtgt gtttaaatca ctgttacttc cccagaagcg gatttagttg gtttagaggc 138540
tatcacgtga gccttgaaat gaaacagtag aaacaaagtc ccagatgatt ctaatgagga 138600
ggcaggtttg agagataaca gtaaacctat ttattatccc tctactgata gaacttgtca 138660
tttcagacaa caccatgtaa agtggcctaa tacacctgtc agttcaccgg tgtgctgggtg 138720
tgtctgtggg tgatcatcct gggagaatta ccatgtcaaa gggcacaggc actggtacat 138780
cagaaatgct ggcaaattac attccattac acacacacac acacacacac acacacacac 138840
acacacacac acacacacac acacaccatc ttccagcccc ctctgccaaag tggggctgtt 138900
ttcctataga tctgtcatca gaatctgtga ctgaacattt tagattttca agcatggggg 138960
gctgggagga gctctgaata ctcataaaaa ggactttctg atgtgttcta ctacaacatt 139020
tctggttctt ttgtttgttt gttgttgttt acacctttat tatgaattca cttagagtct 139080

aacaaggatg gacccatgat ccaacatcag ttaagtaaag agcgtatttg ctccaatgat 139140
ataaaacgtc atcttattaa acaacgaacg gccacatggt ctcacatcta cggctggata 139200
tcatattctg tcccttcaca tactggcacc ttgctagcta tttaatcatt aattacttag 139260
gcaccatggg atgctttaat tatctggtaa tttcgttggg cttgttttagc actattacta 139320
ttatcaccat tattattggt gctattattg acgactgtag agtcagtttg tataattaaa 139380
agaaaccaca tagtatttga agtatattaa ctttataaac acaggaagaa ctgacatctt 139440
gctaacattg gtttagactcg cattaaaggt atgggttctat catttatttg aatttatatt 139500
tggcagcatt ttgttcagta ctatctttct tattaatttt taagcatttt tctctgggaa 139560
aaacttttct tctatgatgt tgtatagcaa attatttgca cactgtagcg ttatcacatg 139620
actaagtctg gcttatgtta tttccagaag atgcttaatt ccatgccctt agaactctgag 139680
catgtatgca catgtgtgaa cccacagggc aactctgggt gctgttcttc cctccaccct 139740
atctcagaca ggttctcttg ctgggctgta gcacaccaat gaagcaaaca agtggctggc 139800
cacaagcccc aggggtctgt ctacctctgt ttctacataa cggagatttc aagcttgtgc 139860
cactgtgccc gtgattttta agatagattc ttcgacttga agtcagttcc ccacatttgt 139920
gtggcaatca tgccattgat ggagctatct gccaaagtcc ctgtgctctt agaactctca 139980
ataaataaac gacaccaaag gtcttttccc ctactagta tgaagtttat tttttttttt 140040
tattggatat tttctttatt tacatttcaa atgttgtccc ctttctgct ctcccaaaaa 140100
ccctctgtcc catccctcct cccctgctt ctatgagggg gtccccccac ccactcactc 140160
ctgcctggtg gcctggcatt cccctagact ggggtattga gccttcacag gaccaaggtc 140220
ctctcctccc attgatgccc aaccaggcca tcctctgcta tgtgtgactt gagccatggg 140280
tccctccatg tattggtggt ttagtcttgg ggagctctgg ggggtctggt tgcttgatgt 140340
cattgttctt tcaatggggt tgcaaacccc ttcagttcct tcagtctttt ttctaactcc 140400
tccactgggg accctcattg gggaccacat gttcagttcc atgggttggt gcgagcatcc 140460
acctctgtat ttgtcaggct ctggcagaaa gtactttttg gcatccacaa tagtgtctgg 140520
gtttggtgat tgtatatggg atggatcccc aggtggggca gtctttggat ggcctttctt 140580
tcagtctctg ctccacactc tgtctccaca tttgtcccgg tgagtacttt gtaccactta 140640
ctaagaagga ccaaagcact catactttgg tcttcttctt tcttgagctt catgtggcct 140700
atgaattgta tcttgggtat cctcaacttt tgggctaaaa taccaagggt ctaatcaact 140760

caattcaaac caataaattt tgacttgaca ttacaacgt aagcaattca gatgtagggc 140820
 atagcactag ctggttagagg caagactgga tatggggagc ttctaacca agagtggaaa 140880
 gtgttgggag aacaagactg agggcttggg gcagtgtggg tgaggtggaa agctaactgc 140940
 gtgccttagt gcatgcctta ggaaagtatc tcagctaggc tactatagca gctatgcac 141000
 tatctatacc agagaaaccc cacagagctg gacatacaga tgagctcatt catgtctgat 141060
 gagctcattc atacacgtga tagccatgat gttctgctga acgttttatg agataaaacc 141120
 aagtttctg tttcagagct gtgtgtttta aggtatgtcc ctttatgaac attaaacaac 141180
 cagctgtatg tgggtgggtgc aataatccca gaacaagagg gctcatggaa gaagggtctt 141240
 aacttcagac tagcttggaa taaatagtgc aaccatgtct caacagacaa acgtaactaa 141300
 aatatcatct tacaaccaa gaggtccag cataaatatc agagcagagc tgcccagcct 141360
 tgggtctcatt ccagacctct taacctatga cctcttgggc tgaggtcata gtcggcatag 141420
 ggaagtgcct ggctagtaac aacaacacag tcacacatat ctgtcctcaa ggagctcctc 141480
 gagtaaacac ctttgcctct atgatgacaa gcatggccac agtccctgtg cttgcagaat 141540
 cttgggttaga aagctcccaa caccaccatc ttccactagt tagcctctgc tgttccccga 141600
 actgaatccc taagtaccga atgctctcct gttccacaca gaaacctctg agaagcccag 141660
 ttacagaat cagagactgg gccattcctc gaagcattgc taaagaactg gcaggagtca 141720
 ctcaagttct caggagctat gggaagataa gattctcccc aatgcgggtg cactgaaaga 141780
 cagggcagta aagaacaatt atgcctaacc cggatttctc tctgaatcca ttattactt 141840
 ctcaatttag gagagtcact cttgtacctg caccctggcc actactcaga aaaacattag 141900
 tgtatccaat gatcccttta gtaactactg gagaagcagc tagctgaagc atgggggaat 141960
 taaggaagac cttaggagtt caaaacccca aagtacaaac gcactgtcag cacacggaga 142020
 gatctgtttt tttatgcatg cttatgcaa actggcctaa gctaaaaaat gttataaagc 142080
 attttgagga gtaaattttg atttcagggg taaaaagaaa tgtacagagt caaagaatct 142140
 ttctgttggc tgataacaga gactccttgg aaaaattgac atttcttttc gagaagcaaa 142200
 aggtggagta gaaatagtgt gagcagcata tgatgtcttg tgacaatgca gagaaggcag 142260
 ttgggagctg ccactaatgt cgagttttca ttaggctcat atctccaact tttgggtttg 142320
 tgaggctgca actcaattgt gtagtaaaaa aaattttagt tccattaggg tgcttttaat 142380
 attcactata tctactatga aataggagct tagatgatga tgatgacaac aacagtaata 142440
 gcagcagcta ctttgaaaca ctcacaggca ttgtgagttg gagccctgag cactaaccac 142500

tgtaatttgc tatcaggacc actgggtatg gcattcggaa aacggacata tgcaatcaat 142560
 gcttgtgaca tgggagaaca aaaccttgtc aaccaactgc aaacagatgg ctcatggaca 142620
 acaaaacctt agagaaaaat gcaggaatat cagcggggca gtggggagga aaagagaaca 142680
 ctttccagac tgtatgcata gaagggcctc aaaggccgcc atgacagatg tgttcctgta 142740
 tcgggggtcaa caaagaataa agcccatagc acaattctta ggaaaagttg aaatgcctgt 142800
 tttgtaaata aaacacaccg acttaaattt ctactactta attttataaa ttccgcttaa 142860
 atatgtgtct aaatacactt ttttcccctt gttttgagac atgggtctctc tacgtagccc 142920
 tggctatcct agaactagtt atgtagacca ggctgacccc tgacgcgtgg ggaccctttt 142980
 gcttcttcat ctggagtgtt gggattaaag acatacatca accagctggg cttaagtgtc 143040
 tagattttta acttctttat atttattctt accctcagtg ttattgaaca ttgactgtgc 143100
 agacttcaga gtttaccaag tttgaggggc tggccaaatc cttctggact tactgagaaa 143160
 ggaacagacc caggacaccg actggagcta cacggtgggc gccatggcgc caggccgaga 143220
 cacgtggatc cttcggcttt gcttctgtgt ctcagctacc tcagaggttt gctgtggaat 143280
 cactagtatt ttaaacaatg caaacgcaat tacagttgaa gcacattctc taggagaagg 143340
 aaaaggagat tggcatgtag aagcttcatt aaacttttgg ctttttcaa gctaaacgag 143400
 tcttaagaaa agccataaaa agttcccgtt gattgattta aaaacaggct tttttttttt 143460
 tttttttttt ttgcaattag cagatctaaa tctacgaaag ggagaaacac gtacggcact 143520
 tttagttaac ttctgcttt ctctgtgtat ttcaaactgt aacaattaag actctctata 143580
 gacacacgta cagatacaca aatacttagc aggacgtaaa cttctatttt ggcttcatga 143640
 aaatggtagt tatgtttcca cacacacaat gaattctggc agtttattta caagcagaca 143700
 tcccatctgc accagggata ataccctcaa ctatgtgaca tgctacatcc ctctgaaca 143760
 cagtagggct aggaaagcac tgagaggata taaacatgtt cagggcttac aatattcctt 143820
 cctaattgctt ctttcccaa cttactgtaa cgatttactg gaaagattgg actaaattac 143880
 cgtcttccct ttatcgctcc aatttgtttg catttggtat cctctccttt ctcttggaat 143940
 ctcccttgct tttccttttg tcagtaagtt aaattgcttc tcctcccaca tgcataaaaag 144000
 cattaattta taaaacacat agctgtatgt catatctcat gtaattctat ttacattttt 144060
 accactagct agacttatct aacatgaaca aatagatatt atttactgta gccagaatga 144120
 gaattatcta atgccactta catagccaga aattgatttt tgattaatgt ttaagcgaaa 144180

agcaaacaaa cccatctgct ctgaaaacaa acaaacaaag aggagcagag cactgagtcc 144240
 tcgggttcgca ggcattcctg caggcctagt gcctcagcgg ctgcagaatg gggcccttca 144300
 ccccagggga aagcggacca ctgacaagaa caggactcca ggcccagact ggagtttctt 144360
 ctccagcaag tgttgagtaa aagatttttt acttattggg gggggggggg agacgggacg 144420
 ggactgggga ccacaaacaa caacaaatct ctaaaccctc tcaggatcag cagagaattt 144480
 catcttgggc gccactgga agtcaaggaa gttgttaatg gtcattgttt ctttcttccc 144540
 tcttgttcac taggtcagtt aaaagacaaa gaaaaaggct gggcatggtg gtgcatgcct 144600
 ttagtcctag cacttagaag gcagaggcag aggttctctt ggagtttgag gccagcctgg 144660
 tctacagagt tagtttttagg agagctagcc ttcacgggtc tctgccaca cacacacaca 144720
 cacacacaca cacacacaca cacacacaca aactgacaaa atgtaaatca agaaagaaac 144780
 aaaaacaaag aaaaacagcc ctgtgccatt tattcttata atctctgcgg tttcctcagt 144840
 atgaagaaca gagtgcagtt tatagttctt gtccactcca tttatattga atatataaat 144900
 tattttctaa gatacttata tacataacca aatttgtttt taacaaattt aatgaaaaca 144960
 ttcagcatga aactaaatag cagtaagact ctcagatggt gtcttaggtt aaaaacaaga 145020
 ggagcactcc aaccttttct ttgacaaggc ctcttgatc ccaggctaac ccgtatgtag 145080
 ccgaagatga cttttaacag ctgacccagt cccttccacc gcttctgttg tactggatcc 145140
 cagggcctcc acgcaccca gagaagcact ctaacaactc actgccagct aagctacagc 145200
 ccggcctcct ttggagcact ttcaacagcc aaaactgaca caatacatac gcatcaacaa 145260
 gcaagctgaa caccaccac cgggtgtgctg agagaagaga ctcaaactca caactttcaa 145320
 agtcccatac caagcctgat gatgcaaaca caacttgaag tcttattggc gacgctccgg 145380
 atactaccag ttgctaaagg aacagagtgg gactgcgact gcattctgaa acattttcta 145440
 caaatactca tctgcacga agaagtaagg tgcaagtgcc tttatgactc tatttccact 145500
 ctagacgctc aggctcaagg cagagcgctt agatcctgct gcacttccat aaaaacaagc 145560
 ctgatttatg ctgaaagact ttaatgacaa agttgtcctg atgtgcgtgc gtgcgtgtgt 145620
 gcacgcgcac acacacagac acacagagag agagagagag agagagagag agagagagag 145680
 agagacagag agggagagag agagagagag agagagagag agagagagag agagagagag 145740
 aggacctaga gaacaagggc ctttgtcttg ctctgccgaa gcacagtgag catttcctga 145800
 gccctgattt agcctttaac tgatggttct ggtttgtgct tcaacagaaa taattgcatg 145860
 actgacaaa aaaggaaagg ccaaacaagt cttaaataat gattgttggc gtaccaactg 145920

caccaacctt ttctaattac aactctccat tttattattg tcaggcaaag tgagtacctt 145980
 aacttgaaag gctaagctga gggggaaaag cctttttgtc tctactttac aggtttgttt 146040
 ttataaacac tccctcagtc cccccaagc aacaggaggc aggcacaatg accctactga 146100
 ggagtacagc ttttacctcc atgggacaat agattgcttt tctgttagcc cctgggagta 146160
 aaaccagctt taatatggat gccctttcct tatcaaagac agcagggtaa tacggggagg 146220
 gctgccaaagc ttgggttgtg cggacttggc aggtatgagg cctacctgc ttctacacca 146280
 cgtcactcaa ggaacagagc agaagaaaca cgttctggaa ctttcagag aggccatcct 146340
 tgttcatgta ttctagtcca gagttctact tctctctaca gagatggatg aaacaaaagc 146400
 aaaacaacac agagaaaaac cccttctaag ggagctggag ggaggagata atctagagag 146460
 aggatgccaa aagtggcttg tttccaagtg acaaatgca ctttgctgg ggaagctagc 146520
 aaggtagaag cccctgttca gaacttttca aggagcagat gaagacaaaa aaatgccacg 146580
 caatggggga cggaatcctc tagatgtcga gaaaaagcag cggccatgcc caggagcag 146640
 gactagagag aggcaagcca actcctgctc atggcaaggc ggcttgctc tccagcgcac 146700
 tctgcagatg tttccgcacg ttgtttctat agtctgaaga cactccgctg gcagtgtatt 146760
 gttggatgct ggcagaatct ctagtcaaga ctagcaactc cacctccttc ctgacatcag 146820
 caagggggaa cacaccagga gccaggagac aaggtgtagg tgcaggagac aaacaccgtg 146880
 tgtggtccag agctgaactt gctgctggag actgtcctgt caggaaaagt aaaaaacaaa 146940
 ccaacacaaa aatccaggag gtgcagaggt agaggcagag gcaggcgggt ccctgtgaat 147000
 ttgaggccag tctgctttac acagtgagtt ccaggacagc aggggctgta tagagagacc 147060
 ctgcctcaaa aaacaacaca aacaaacaaa aacaaaagaa gggggtgaag aagagaggga 147120
 gaaggtgggg cgggggccag ggggtgggta tggggaggga aacttaccct ggtggagaca 147180
 gtgaaactgt tgtttgccac tgcctctctt aggtagggtc taactgtact cctgactaat 147240
 cttcaacttg ctgtattaat caagttgggt tccaactact cttggaacta caggtgcaac 147300
 ccaccacacc atcgaagtct tggcgcacag ctctaggggg cataggaaat ggctttcccc 147360
 gtgccctgta gaaatggaac tgaaagctca tcatggcggg aagactgttt tttagctcac 147420
 actctcacac tgcaaatgac ctaatgacac agcagggcct ccggtaccat cctcactccc 147480
 acgtccccc tccatcctaa tgtagctca cttactcagt ctaccacagg cttaggtgac 147540
 atctgaagga atagcatact ataaaaacct gacttggcca ccacagcatg caagctctaa 147600

ggcaggtaga acatactggg tttttgttgt tgttgtttgt ttttgtttgt ttgtttttct 147660
 tttccagttt ctccccctcaa agatcttcac atcatgagtt atgatactcg ttcattacat 147720
 cctcctagaa tggctccagt caagaagaga aggctcaatg acccacccca actgcaaaaag 147780
 caaaattatc ttagaagaag aagaaaagga atggaccatg taattaaaat tacgaggggc 147840
 agtgacttac agaggtaaaa agttaatcac aaggactatc tcaaagccta gtgaaaaatg 147900
 gggttttcag aatcagacct gtcaaaggta accacgagat gcaataatgt ggtttggaag 147960
 tctgggtgac gggcagcagc aggaacaggt caggggaagg gggagtaaata tgtttgcaaa 148020
 atgaaatgca gaatgaaaga ccatttgagc acacaggcat ctactctaaa acctgcaaata 148080
 acctcagcct cagtcctctc acggaggact ggggagtggt cactcttctt gttgcttttag 148140
 aggaggtctc tgctgcagaa gcagggtggg tgggtagagg ttcctactga aagctacttt 148200
 gggatatccag cccccgggg ttggtagcaa ggagtcctt taatgaataa atgaagctgg 148260
 agctttccag atgtttcatt aatggggcac ccagaaccaa tgctgctgca cccgtgcccc 148320
 ctacaactac taccggcatc tgggagcact tagctctaaa gtaggttaga gctggagtgt 148380
 aactgtatct atgtgaagac tgagtttgta tatgggaagc tcagcataca gcaaggccct 148440
 acgtgctggc tatcactgca atccaggcaa aggtctcttg gaaggctaac gaactataac 148500
 ttggctgata atgccgttcg ttcattggctt cgtgagcgt ccagtcctcg tggccttggc 148560
 gagagtggga gttgagtggga gactgcaggg acggaaactt ttccagcaag aaagagtccc 148620
 tcttctccca cggtcactaa ggaggatact tgtatttttc caggatcagc tgagtcgtca 148680
 caagaggaga gtggaggggc aggaggagac cgcctcaggc ggcgacaagg gagcccagca 148740
 cctccccctga agttgcagcc agctgcttct tggctggaaa cttatttaag ttgtcctctg 148800
 tcccacttct gaggtcttac agggatgctc tgggcactgg gatccatgaa caaacaggga 148860
 tgagcggagc gaagggaaca ctctgctcag atgagtctgc ctctcaacgc cctttgcct 148920
 cactgtgctg gtggggagtg ggggtggggg aatctgatgg gcaaaagcaa ggggcggaga 148980
 tgtgactgtc acgcagaagg tgtgcccagc tcttagaaaa gtgaagaatt caagaaagca 149040
 aacacaagca tctctcctgc ttctactccc tagttatccc aatcccaatg aatcttgga 149100
 taattttagt tactgacact ccagatagca tcttcaacag tgaagccaga agcagagcaa 149160
 agggatctta gtagcatgtg ttaattttca tgcaggatgc aaaacaggca tttcaacttt 149220
 catctttctg gatgcagcta cagtggccac catccctgac caggactctg tcttcatctc 149280
 atccttctaa cagttatgca tcaagagtgt atcagtaacc atatcaccat gcaggatgtg 149340

taacttgctt cttctctccc gtttcaggac agccagccac tggaaagtct gaggggcccc 149400
 gctaactgaa atctgcagat acgcttagga atccctccca accagccggg ttaacctcca 149460
 tatgttttcta atctctaact tgtacccctt gtgcagcctc aaagagatac atgtcacttc 149520
 ccgcactgat ctgacaaccc tctctctgag aggctcataa gcaccctttc ccaaggatgg 149580
 tcacttacag aaagctgcag gcaaagtaaa tccaagtctg ggcagcatat aataaatggc 149640
 tagtggcaga taatgaaaag gctgaaatca caaatcaaa attctttcca ataaagggtga 149700
 atcccacacc tattcattaa cagtccccta ctgtctaaga tgtttgtgta agatcaatga 149760
 ataagccatg tcagaagact tgccgactat ggaaactatt tggataatgc tccaaggggc 149820
 tcaggaatag gacagatcca atttagaact gggggggggg gggaggggga cactctgtct 149880
 ccaggccagg tgatgaagac ataccaggg tcattctttc accatgacaa agacatctcc 149940
 attgtttcaa agtcactttc agtctctac aaagttatct ggagaatagt gtgccatgtg 150000
 aatgaatgtt caaacttaag caaggggtacc accttccttt cagaaacaac cagagaaata 150060
 cgaaactgcc tctggggcat cgcaataagt agctggggct ggtaagctcc aagtcttacc 150120
 tctgaagtca tcagtaagca tgggacagtg aaggctcaga cataacatct catccaagta 150180
 atcaagagta acgccaccca tcacagatgt actggtgcca ccctgggcac agtgacacac 150240
 cgaggggcact gtataccctt cctgaaggag ttaatcactc aaatgcacaa acctaattgtc 150300
 acgagagacc ccagtttaag agcaggttat ggggtcatag gatgagtgtc cgttaaaagt 150360
 gacaacacca tgcaaaatca gcaagacaag cagacccatc acagcctcga gaagaccaca 150420
 cagataagac acatccacac gaccaaagac ttgggaatga aagaaagcac gttagtggga 150480
 aaactggtgg aatttaaata aagcctgcta agaatttgt gccaatgtta gtgtcttggt 150540
 tgtgataact ggattatgat tatgtaagat gttaacatga ggagagctgg gtgacatttc 150600
 aggaactctc tgtgccgttt tcaacttttt ctaaggtttt tttttttttt tttaaatgaa 150660
 gctgaggagg aagcagagag cctgggaggc tggttactc tttagtttgc tttgtcactt 150720
 tgtccctggg aagtagggtc attatactac agagctggct tgtgttacag ctcttccgat 150780
 tttgtccct ccattgtctc ataacttttg gggaatcgga tggtactcag gtgagacaga 150840
 agatgagtga agtcacaatg tcattggaga ttagagagag aaagagagag agacagacag 150900
 atagacagag agagacagag aacaaacttc aaatttataa acacattatt cttccacaaa 150960
 ggtccacatc acacactccc cccatttgtg caccaccctt gacaacacag ctgtgtgggt 151020

ctctagaaga tgtagttgga accaactttt agcgtcctaa ggaatgatgt catcctttgc 151080
tctataggag ctgggtccag aggttttgtg gaacagcttt ctttccagaa agcagccagg 151140
tctgaagctg ctcagacttg ctctagactt cttctgtcta cagagtacgg caacatctcg 151200
tctacagga ctgcgactgt tccggctctt tgatcatcct gttccctaaa cttaacttcc 151260
ttaagttgca aaacatttac tcttggttgt ttgggtcctt cctcgggtata gaaattcata 151320
ttctctgttt ctctctctct ctcaacgggg ctgtggactg aacttacgtg aacttcttgt 151380
gtttgcctgg ctttactga ccctacacct tcagtccttt tcctttgtac ggagaaagaa 151440
atcattaaag agaaaattgt tccttaaaat catccctttc cccatcctcc aagccttctg 151500
tagaaagtgc agtaatgaaa aaaagatgtg tactcacact ttgcttgtat cagctatgga 151560
tgggttctta cctatcttat tgccaaactg aaaaactact tggaaaatgt tccaatgggc 151620
tcggtagaat aatagctcca agtcagaact ggggtgcatg ggggtgtgtat agtctccaga 151680
gtggggaagg ctggctactt gtcgggtcct gccctatcag cctaccagtt actacgctgc 151740
tcttccctgg cagctcagtc agtgtgcggc gtgggtctctc ctctggcca tctaaaatgt 151800
ctgcagttat tgtaacacag gatgtgattt ttagatcaat ataaacctgg tgaacagatc 151860
aatcctgtcc ctcataaaca caggcaagta tctgggtatc tagacgggtca tgacctctaa 151920
cctctgaacc aaattctcaa cccaaacctat cattagcaga ttgagcccaa gttaaagcat 151980
gtgtgcagaa gtagagggtg actccttctt aactgctagg ttataaccag ctaccttatg 152040
gggtgcccc aataccatct ccaactaaaa ccctttcagt ttaaagggca aagggccctt 152100
aggtaaattg ttcatattgt gaggcctcct ctctttgagc agtcacatga atccacaatg 152160
gagaaagaga ctctaactcc tgggatttct ggtaacctaa agagttccat gtctttctta 152220
cacaattggc cccagacgg ctcaagtctt attgaaccga tatatcaatt ctggtggagt 152280
taaaatgctg agtaagagaa aataaagctg aagtaagcgt aaagacaaga gttgttttgt 152340
tttagctgga acatgattct ttgatgagaa aactctcata aacaggaaaa agcacattat 152400
tgaagctgaa gtgtttgatg gcttccattt tcctaagagc atttcgcctt agacacaggt 152460
gataactgtc aagagcagcc agagtgatcc ctctggatat ttctaccata aatatttctg 152520
aggtcctact gtgtgccagg gattgtagtg atagtgggga taaaagata ggagttgagg 152580
ctatatacac tcttttcaaa ggcaaagtct cgagctctaa acgcacgact caaacacaaa 152640
accatgatat gcaaaggaaa caaatgggtt gtttcttggg gacagggtga acagtaagta 152700
tggtgacagg ttttaattag aagacttcag aagagcaggg ctgggccatg taaatcaa 152760

cctatatcag ggtctgtact aaactcagaa agactaactc aggcagttac tagagttatc 152820
atgatectac acagaagttc atataaggac cctaactctg aaagcagaga tttgttgttt 152880
tggttttttt ggctgcctct agctagcaca tttatgaaaa acagggttaag ttactggctc 152940
caaattactc cttaataaaa aaaacaaaca aacaaaacag cataagcttt taagattttc 153000
ttttttaaaa cctagaaaac agtctccctg tcaagagcag gcatgattaa tgacttctgt 153060
gctgtaagct tgggtatccg ccgtgttact agtgtgtgat actcctaaca gcttgtaatt 153120
gccccgagga tacttttggg actgaaaggt gtggggcggg gcctaccttc ttaatatctc 153180
cataattttt tggggggggg ttagactaca tttatcaatg ggacattgaa aatacagaaa 153240
cattgtcaag tcatccacat gaaattatga atgcattatc atctgaagag tcatttccat 153300
aaaacggcag atgacaaata gtcagctctc agtatccatg ggggatgggt tcaagatccc 153360
tcctcagac atgaaaatct gagatgagca agtttcttat tatagatggg aaatctgcat 153420
atgatttaag tttttcttcc tgcatactag aaatcagagc tagatggttt gccatacttg 153480
agagcgcaca aacgctgcgt aaacagtcaa ccgtacggca ctgcttagag cagtggttct 153540
caaccttcct aacgctgctt ctcaaagct ggggaatggaa ggtgtgtggc accatgctca 153600
gctagaatcc cattgtaagt atggcactgg ctggacctac atctgcagaa ctccagggtg 153660
ctgaagggtg gtactgcac ctagcagctt cctaggtctt aggaagctac caacctgcaa 153720
actccttctg aggtgaaacc acaacagggc atccaccaa ctcaaccact ggaacccaat 153780
gaaccagtca agttaacaga aactgagcc accttttgtg ctccatgaca gccctgacag 153840
acaacatagg caagctctat cacactgtat ggctcaacca gccatatttt ccatagaggg 153900
gaaatggagt ttgctgcttt gtttggcaga tgcaaagagt aaagtagagg ggaaccaa 153960
gagcttagag cacttgggaa ggtaggctga cttcctagtg tgttccactg taccacgcaa 154020
tcccactatt agtccccac ttctcttgtt caacaccaga tctgaacgaa acctacagga 154080
aggtttgaag gtacctggcc ttctaaattg tggcttacat aataacatca ggccctctgg 154140
tagacctgt aggtcaacaa cctaggaagc caattcctat agtccagctt aaataacaac 154200
cttgtgtttc aagggaataat aggaagggtg ggaaagcctc cattgacacc ccaactaact 154260
tgcccttgct tttctagaga caactatgca cttaagaaag gcaatcgaga tctgcagtta 154320
atttacagtc actgagatga ctcaacatac gttcatacta gtagtatctt cagcttctcc 154380
agtttttttt ttttaaagta gaaacaaaat gtccggcctg acatttttaa aacctgacct 154440

atgaggaact tgaaatggtc agttttacaa attttccttc ctttcctctc tttcttctaa 154500
gtcattcact gaattatgta actgactcct agaacacact gcagacccca tatggaataa 154560
gacagcacia ctctgcatg catgatcact gctgggctgc aggaatgtgt taagacacat 154620
gtctgtccct cagtagtgta gacacaatcc ctgtcttgcc ctttagaagt ttataagatc 154680
cctgggcaca cagaacttgt gcatcaagtt aaagactaaa gggccagagt ggggttgaca 154740
agagcaatth cttaagagtc tgaagaaagg gagccagaaa catggagaag gcagtgaaga 154800
ctattttcag cagagagaag agagaatgtt attgagatga aaatgtggat ggcagattcc 154860
agtgcagggt gtgcagatct catagaagggt gggtcaggga tgtgggggtt gaaaatggct 154920
aacagcgagc tccattatgt cacagcagag atgacgcaag gagctgtctc ccagcagggtg 154980
agatgatgct gggtaggcag gaggtagaca caggaagtgg atttaggaac ccatagcaac 155040
catgagggtg aatgagggtg gaacttaaat aaggagcat ttacgtagaa aagagttggc 155100
agaattaact ccatgggaaa cttagtggaa ctgaggacaa cgtgtcaact acaaagacca 155160
gaaagcagggt ctagttagat ggctgagtga ggaagggtgc ttgctctgac ttcaatcttc 155220
aggagtcaca ttccaggctc tatctccaca cgtgtgctat ggcacgtcca cacatagagc 155280
aaccataata ataaacataa cattgaaaga taccagaatg catgctgtct ttgaaaacc 155340
tattcattgt cttaagtata agatgacagg gccatttccc aaaaccatac atcttgtgga 155400
gacacagggtg gggcaaaacc aggtcaagtt cagtggacag cagggtacaa atggacttat 155460
ggctatacct ggtaaggcaa gccatgaaga tgatgagttc tggctccctc gttcttcggg 155520
aacctgaaat ctggagaagg gggagggggg aggaggagga ggaggagaag ggaagaggt 155580
agtgggtggc actggtggac aggaagaac atctaggagg aaagaagcta cagaagttac 155640
tgacggcagg agagggtcct tccaggccat ggaaacactg ggctcaaag gacaggctgc 155700
tccagtctga tgctgcatca gaaaccacaa gtcaatatat tgaagggtga aatctgaaaa 155760
gcacttattt ttataattaa atacttttat gatagagaaa aaagcaaaca gagaaaaaaa 155820
agcaaaagca tcagggttca cccaaacaca gcaatgggtc gtttgggttc atctgagatg 155880
accaacaaat gccaatatta gagttacagt ttttcaaggc cataattgct acatttaaaa 155940
catcaagagt cacagactgt cccaaacag tcagagccct catgacctgc ctgtcccagg 156000
atctgagagc tacagtgttc tgcttctatt tagagcatta tgaatgctaa atagaaatgt 156060
tcaaaatatt ttacaaaatg aaaagtagac atcagtccac tgcagggtcta aggctgttct 156120
ccaactttaa aatacattag ttcttttttt tcctttcccc tttttctttt ctggagacaa 156180

ggtctcaggt agcccaggct ggcctagtat tttatgtgtg actgagaatg accttgagct 156240
 cccgattctc ctgcctccat ggaccaacga gtgcagttct tcccccttaa gagtcacata 156300
 gttgaaccag gaaggatggc tcatgcctgc aatcccagca ctcaaagggg aaaggcagga 156360
 gggctgtctt gagttcgaag ccagcaggga ctataaagtg agctccaaga taggctgcgt 156420
 tgcagaatca caacacgtct caaacaacaa acgtagcaga catatctaac ccttaagcat 156480
 gacaacgaca catttgatg atacctgaat aataagaagg ggggtgcatca ttataattat 156540
 tattatttta cagttgtaaa catgggaaag tgctgagcag ttcaatgagc ttagggctac 156600
 agtcactcaa ctgcatgcta gctcagatga ggataatgca gaaacgcctg ccgggaggaa 156660
 ggaaggagca aacacttctg ccactccgtg aaatgtcact caaataacaa aacaaacca 156720
 ccgaccgacc tctcaggata aggaagtgtg gcggagtggtg aacacactct tgactgggtg 156780
 gtgagggggc ctgggattct gtacctagca tcacacacaa aaactgcaaa caaattcttt 156840
 aagccatgct tggtaaaaat gactcatttt gaacctagtg tgaattggag attatttttc 156900
 aattaatgaa gtttttctag ttggaaggac ttacaacaag ggccactatc ccaaagccc 156960
 ttagggactt gtctaaatga gtaaaaatat tgtgcaatta ggccaacaac tgaaactaag 157020
 tgcgtctgag agcttaaaag tagtcgttct caagtactag ttcgaagagc atcaaatcat 157080
 ataaaagggt caaaggaatt taagtgaact gggttgactt ttcaaggcac tgaggtaatt 157140
 acaaaatata ctaaataagca aatattaggc ataccctagg tttagacaaa caaaaccacc 157200
 ctaaaaccgc cagatcatat agacacacac acacacacac acactcattt tctctctctc 157260
 tctaacacac acacacacaa aacacattag ggtaaatatg tattagaaaa acctttgcct 157320
 aagatttcct ttaaacagtg ggtattattc atttttgttt ttttctttac agaacattaa 157380
 tttctttgca aaatgtttgg ggtacagaga ttgcctgaca agagtggcca ccatgaagct 157440
 tatgggcacg tgagaggaga ggtgaagaag cctcaatctt tctgagccca tttcatctcc 157500
 cctattattc tccacgattt tcaaaagcca ctctactaca aacctgagaa acacaggagg 157560
 tcagattcac aaatgaaatc tctttgtctc cttctgtat gcaccagca tctgtccac 157620
 ctagctgacc gttacagggg cagggccagt gttacatgt caagtgggca gagggtctc 157680
 tgcattctct agtacatttc tggctacagg tgaactaaat gacaccaaag aactgctctc 157740
 aaacgtgcat cccaaggtag agctacaaag gttcaatata accccagtat tttgagagat 157800
 cttaaaacgc agtcaaagtt aactgtcatg tccatagcaa ggaggaactc actccttagg 157860

atacactggg ctggtcttcc agtgggcatt tcagagagcc ctgctttccc atatcagctc 157920
 catcctgtat cctcaccgtt gcttccaaca gggaaccgtc cacatctgac tgcccaatca 157980
 gatttcagca ggtggcatgg gggatccaga aagcatttct ctgcaccttt taactctgaa 158040
 ctgcatgcag aaccctgggt aagaaatgct tctctgatcg ctcttagcac ttttagtggc 158100
 catgttaaata cagctaagta agaatgactc ttccatctgt gttaagtggc cttttaaaagc 158160
 taattcacac tatctccaaa taccctgaat taccaagtct gagggctgcc tagattcctg 158220
 cttgtaagca atagaatgac actgaggact ctcggtcttc ttctctctcc catatcctct 158280
 ctggttccact gagaacccaa catcatctaa acagaacaaa aacatcagaa ctgaaggaat 158340
 cgccaaagta tatacactg actcccgctt gaatgcattc agatccgacc agtgactcca 158400
 agctttctgc atgtttccca tgagctattt gccctgaatc aactcctcac cacaactctc 158460
 gaaatgacat ggacctctgc tgttgcaactt attattcctt ctctgatggg gagtgggttat 158520
 gactgaaaat ttctgcgcaa ccagcctcta aacagaaatg cagtttattc tgagtactca 158580
 aattcaaata tcagtaacac agcaattaca ttttaaaata aattctctcc atgttcttgc 158640
 ttctaagaag agggtttagt gggatatgaa gagtctaata ctaggcaacc atatggccag 158700
 gccaaattata aaccccatat atgttcacac atcaagcagg gcaaactgct ctgggaacaa 158760
 cccttaatat ttattgcct gccaggtgc ctgagcaact ctgagataca cctgtcacag 158820
 gaaaatacag cacttccttc catctttacc ccatagttgc cagacaattg ggcagagcta 158880
 aagtgggtaa tgttgcactc aacacttccc taaaacattt atacatgcca ctgataaaca 158940
 atagaaattt aaaggagata caaatgtact ccccaaacc taaatcttcc tcccacggag 159000
 gcctaaaaac ttaaaaatct tcatctacct ggcacagaag aaggaatata aattccaagg 159060
 ggagcctaga tttatggcct aaatatgtct tcctctagaa tatttaatac acttacgctt 159120
 tagtcattcc atacattttg aaaatactct agcacgataa attacagtag ctgcatcttt 159180
 catggttggt cacataaata tcatttggct ttcaggaaac caattacgga gcggtaaata 159240
 atttttacat tgcttttcaa aatctttaat ttaacttgca acacggacag ggcacacaca 159300
 ggctcccagg aagaacgcag ctcacacatt gtatcattcc ctcttgctcg agtttagcaa 159360
 caaccctga gtaagccaca acaatatttt catgttctaa aatatttggg ttatatctat 159420
 atatttcaca caggtattag gctcagcaag tatttcctaa cctcctgtag tatttagttt 159480
 tcaagacttg gggtaggatt gggaccacat tgatttcagg gtgctgactg tacttctgtc 159540
 accatcagct agtttaagga caatgactgt cctggcagac accgcaaaca cagagcctct 159600

atggtgttct tgagaaatca agaccatcat ctcatggaa aggcggtggg aaacaaggtg 159660
cagggccatt gagggcacac aatcaacaac aggatttgct ccagcctcag agacacagag 159720
tggaactggca tactatatca atttggaatc ccctcggcta tgacaagttt gtgaaatgaa 159780
agaacaaaac aatacagtac aagatcaagt tttagtagag agaatgcaga caaccacaac 159840
cgagtactta gggagaaaaa aaaaaaaccc agctcttagc tggggagtga cagtcaaggg 159900
gggaaatcac gcgaaggaat ttctttcagg tgcaagaagg catgagagtg ggagacaagg 159960
attgagcatc ttggcagaag gatcagaaac ccagtccaag gtctacactt ccgtggagca 160020
gccgcagaca agcttaggta tccggtgggg ataactaca gttaagacat cacattacag 160080
acactaggga gccattgtga attacagcca acaggtgaga atcataactt agcggggcgg 160140
acacaacaac caagccgtga tctagagcag gaagcggggg atagacagaa agacagggtg 160200
taatggagga gaccaagcag agggctgcat taaggcagag gcttctgtgc tgaccaagtg 160260
actaacacaa agggcccttg cagaagacca gagatgtcag gggggagaat tccttctgag 160320
ggggcctagt tacactagcc acttgatatt caccgggaag gaggcagaga agctaggagg 160380
gtgggcacaa aggcagtggc tctcttctac ctgaggagag ctggcagctc tatcaatacg 160440
gactactcct aaatgggctg cagtcagccc agaaaaaaaa aaaatcactc aatactctca 160500
ggttacctac cctggctccc aaagctgggt atgcaagaaa tattttgttg ttgttttgct 160560
tttaaaagga gacaactgat gcttgtttta gtattgtttg aactacatca ctacaaaatg 160620
agagactgat aaagagattg acaagtctga ctctagaagc aaacacttcc agtctgctct 160680
catctgccct ccccccacttc ctccattctc ctcggcctct accccacaat atgcttgaaa 160740
atagtaggta actgagtttg tttgtacgg tggttgtctt gttatttcaa gcaggggtgg 160800
ccagagagaa aaaaacattt tctggaaaga ttttaactac tggatcataa acaagcgtgt 160860
ggtggccacg cagcaatctt tgtaataacg aatccaagac gtcttggttg tgaagcccag 160920
tgaatgtaat gttagctgaa aagcaccgcc tgacacacct ggaaatgtgc cacggggccag 160980
ctttgtagac tgcgacttca aagggaact ggagtctact tccgcttttc agtgagttag 161040
aaatgatatt ggctgtattg gtagggcaga accagaaaat aagttttgaa tttgtcataa 161100
taatttaca aaaccaacca acttgттаag atgcatcctc caagcacaac taagctggct 161160
atagaggcta ttctgcattc tgcactctgg cccctggact gctcaggctt agggtgaggg 161220
aagaaacatg acttaagcca ttacccttat tctgtgggca tttgaagtgg ctgccaggca 161280

cgtgacacca actgttccaa ttggttcaca atgacatcac tttattattc aactctgttt 161340
 gcatttcagt ctctctcttt ttcgggggac ttgaggccaa tcctggccaa gtcacttttag 161400
 aagagaaaga agccagtctt aggtagtcac gaagtgccaa gtgtcttttg tgtctcctag 161460
 cctagtttgt aagccgggaa ctggtgacat aaagggctct gtcaacagcg cccgggtgtg 161520
 ctgcttcctt cgcagcggga gagggagatt gggaaccag tagaagggtg cggttcggcc 161580
 ttgggtaggt cccaactgac caagttcaat aaaatccctg agagtttggt ttcaattggg 161640
 taagaaaact ataaaatgga aaccgcatgc gagcttacgc tggaacctca tttaaagcac 161700
 ttgtacttcc aaaaaaaaaa aaaaaaatgc agaaaacatt tctaatttag tcaagcgcac 161760
 tcttctttcc tcgagcaatt agtcttaatt catgtcacct aactactatt tctgcattaa 161820
 gcaacgtgac ctctagaacc tacagtaacc ccctttctga tggtgaaagt caattattct 161880
 gatttttttc atcttcacac aataagttac cagagaataa actaacttca aaaaagcatt 161940
 acagtgtcat gtgtgttcgc ctgttgatat gtgcacacat tcatggcacc tgtgggtctg 162000
 tatccagctc ttctactgtg cctgtctctc aattttgcag ctcaacctag agatcaccaa 162060
 gtggccagcg agctccatgg atcagcccg tcttgccctc ctctgtacta agattacacg 162120
 caatcatgct gagcctctaa gaacatggcc gctcatggtc tgaactcgga tcctccacct 162180
 agcatggcaa acatgttagg aacggggcca tttcctcaac acaaaggaaa aaggcttcct 162240
 catgggagag aatgactgga tgggcgagta gacagatgaa aatggacttt tcacaccaac 162300
 tggtagaga ccctgttgct tccaggcaca aagcacacca gtttctagta tcagtgggtt 162360
 gaaatgcatg tttaagctct ctcatcctta ctgggtctt gacaggaaac ttttatgggt 162420
 gaactttatt ctgtagaaat gcagtggcat taaccaagca cacaagcca actcaagcct 162480
 aaagtgtgcc catgactcca accctacact cattgggtct tgccagaggc aacacgaaac 162540
 agtgtataga ctcagaactc tgcccaggcc tgtgaggcag ggccagggt acacaccttg 162600
 caaacacaca gcaggctctg cccaaggagc gttcactagg taactatcag ggtgggtcaa 162660
 gggctgtacg acagacagac cctgcacagg cagggaaagt ttctggaga cctaccatct 162720
 attttcttgt aatctcaact gatgtgttct gccaaagtcaa ctattattta tcatttataa 162780
 agcagctcct attggcagca tactctgcat atgtttcagc acttcataaa ccctccacgg 162840
 tataatcgct tgtggaggag actgggttgc ctggagctgg aatacagacc cacacgcatg 162900
 tgagcccggtg taaatgcaca catgaccgtt ccctaccgct ctttcacgag tcatgtcttg 162960
 gctctgtagg ccgagtatct ataactaaag ctctctacag gtgtcaaadc aagcaatctt 163020

ggtcctctca gatgtcagct aatggcttag agccccccc ccctaacagt tctatttgca 163080
 ttgctaacca aggctatcca ccttagtatc atcatcagtg caagagaagc caaactgcac 163140
 acgaagacct ggagagcact tcagagcaca catccgacct cttcctcatc cgagtaccta 163200
 gcaagccagt tttccttcct ctctgtctc cagaagaagt tccaactcca cctcggagca 163260
 aagcagcagc tgcagtgact agcagtgact atgcctttgt gactgcgtat cactcatcca 163320
 attcacagac tacttagcat cgacttgat acactttgcc caagaataaa tatttatatt 163380
 cccgaaacac agtcgatcga gagcagctga tacagggctg gagatgacag aggcagcaaa 163440
 cacaaacaag taagacctcc aggagtgtga gggacagggc tagagacaaa gtaaacagag 163500
 gccacaagat cctagggcgt aggtgggggc tactggtacg taagggctgc tggaaagaag 163560
 agtcctccgg ggactggctc ccacaaaggc tgcccaatct caagtggta gctctggcg 163620
 cttgtctaga tggcaatgct gcgtggactc agtgggttat gtatgcgtgt gtacatgcac 163680
 atgctaggat aataattaaa aataagaggt catgagtttg ggaggttga gtttgctcat 163740
 gggagcaact ggaagtggg ggcagagaaa gggctgggag tgacacaggt gtagttcttg 163800
 tgtatggtct aaagattaaa ttagagttag ggaaaaaaaa accccacagg aattgggaag 163860
 agtgattccc aagccactga cacagcacag cactgcttgc ctgtggaggt gtcctgtgc 163920
 catcctccct aatctttatg ttgcacatct taagagtggc ctgtttgtgt atcctctcat 163980
 gcatgtatct cctcagcgtt ctcatccacg aatgcttaca ggtgacgtta gcatcagcag 164040
 ttggagaaca agatacactg gaaagaaaac attgtaccct gatttgcacc gggaagagga 164100
 gaaagggaa acgctaagca tataaacatg ttaacgggtca agtagagtcc aaatcagatc 164160
 ttgccactct tcaaactgaa ggtctgtgat acttaaaagg gggaaaaaac ccattgaaat 164220
 gcagaaggca gagaccatca ctcaaagata ctcatcgctt ggaggtcagt ttatatttg 164280
 aacagtgact tgggattggc caaccatcac tcatgccatt aaagtaatat ttcagtttca 164340
 actgttttac atgcatttag catgtagacg tattcaattt atagttgtaa acggtctaca 164400
 agtgtaagaa gccgataccc aagcttcgaa tttgtagggt ttttaagtcta agtcccaatt 164460
 cataccggca ctacagggtca gcaagtgtat ggtttttaac ttttaagagg cgctcaataa 164520
 actcggatag aaaatctggg agcaccaggc cttgttgtga agctactttc aaggcgatga 164580
 tcctcatcgc caggaggaag ttggtttata cccatcatag ttcctttaac acaagcaatg 164640
 cagaatggcc ttcacaagt tctcctctaa aatgactgtt taaattgtgt tgtttcaaaa 164700

agaggacatc cacgagccgc atgtttccat tatcccttgg aactggagct acaggcagtc 164760
 aagggcttcc ttacttgggt gctgggacac aactctggcc ctcatggtag aacagcaagc 164820
 ccagcaacct ttctagttcc aggattaggt cttaaactttc gtggtctctt gatggcacac 164880
 agaaattgtc tagaagtcag aggctatgta cgggtggatg atgtacaccc agtcgccctc 164940
 caagcaagcc aaatatgaaa gcaatttttt ttttcaaaaa taaaatagca ccacactgct 165000
 ctcccaccag gcgtgtagag attttcccca acaaaatatg acacacatca tatctatgat 165060
 tgcttctaaa tgaagaagtc tttaaaagtt ttaacttctt aaggggccaaa tatcaatgga 165120
 tatattccat ataaataaaa attcatcaga tttgtcttca cctatttttg ttgctgtaac 165180
 caaatccatc aaccaacca ctaaccaacc aatcaacca ccaaccaacc aaccaacca 165240
 ccaaccaacc aaccaggtag tctctgtctt gttccagtcc ctttttctg gtgcacaaaa 165300
 ggactgattt tacttgttag aaggttatcg ggcaattctc tgtgtctctc ttacaagggt 165360
 actaagcatt ctcaggaggg ttcaatcttt atggcccaat cactccctt cgccccaaaa 165420
 caatgtcttg atgaccttcc aacacagtca tggcagatta tggctctgtag gctttactgg 165480
 tgccaagggc tcttgagaat acaacaccaa agtgatctca tccaagaag gatgcttcag 165540
 acagacagtc ccacatgctt tctctactc ctggctcatc ccctgtattc catacatcta 165600
 tatccccgt cctctttagc tctcctctga gtggcaaaga ggcattctcg acttaacgag 165660
 atgcaaggca gagttctagc tccatctgcc atccccacca cacacctccc aaacaaacct 165720
 actcccttcc tctgccagc tcgggaacgg gcaacttcac ttctcgtttc atctaagcca 165780
 aatgcctgaa tcatccttta tccctctttg cccacctgc aagatttcac aagtccttaa 165840
 atattcctga atctatctac tcttagttac tgtaactgat ggggtgcagtt ctcaacaagg 165900
 aactcttctg tcccggcact acctgcatcc agccatgtct agatacattt ttcaattgtg 165960
 tctgcgtaga caaggggtag atgtaccacc agtatctagc aggaagatgc atagacaagg 166020
 ggtagatgta ccaccagtat ctagcaggaa gaggccaggg atattgatag acattctata 166080
 atgcacacag cagctcctat catcaaagac tgtccagctc aaaatgtcaa tggcattgag 166140
 aaactgagct ctattccaag ccagtagaat ctctccaaaa aaaccttctc aaaacaactt 166200
 cctaactgtt ttccctgatt ttctactctt aattgctctg ctcgatgaaa acaactaaag 166260
 ttatcagcag aaatacagag tgtgaccac tagagtgtt tgtcttgtgt catggcctgt 166320
 aggcccttgc ctactccact ggccccggc cagctcctac attctcatcc caccaaattc 166380
 ctacgtcaga gccctaagcc ctcaggtgac tctgctagag acagactcta cggtagtaac 166440

tgaagggttaa gtgagccccgt aaggaggaac tgagccttgt aatgggttgggt gccttcatga 166500
aagacacacg gaagcttgct ctctcatcca ctctgctgtg aagcttgctc tcccatccac 166560
tctgctgtga gaagatggcc atccacacag aaaaaggacc tcaactggaat ttgaccttgc 166620
tggaactctg atcttggcct catagtctta ggactttgag aaaagaaacg tcagcagctt 166680
aagccaccca ggctgtggta ctttgttgtg aaagcttgga ctaatacatt caaccttgct 166740
accttgccaa gttccagttc actggccatc agtccactta caccacagcc cttgccctcc 166800
ctcttctgaa ctgccattag ctgaccctta ataaccctta gtcaaaatgc caccctcccc 166860
aggagggact gtgttactcc atccttctctg gattttgagg acagcccat gggtggcatt 166920
aaccaagctg cctacctctt ttgcttactg gtctccttga cccagtgcag aaacctctca 166980
gtcttgcccc ttgtcgaatc aggataagat aatctgtgtg gcttatatct cttaaactca 167040
aaacaaggaa aggtaggggg tctgtgaaca tgctttgccc catgaccag ttccctctgc 167100
cgcttctcca aagagagcta ccatacttat gcctacctta gtttcccaag agcccatcca 167160
gggcaggagg gaatcattac atgtaacatc tagaatgagt acttccttat attctttcac 167220
tttagggagc agcaaagggt caaggttacg gtaaagtaca ggtatggggg catcacctg 167280
atatgatgaa gcaccaagga actccccaat gttaactatc tagccacaga gcaggtaagg 167340
gtatgtctca gtttagtttta cgagggtcaac tctgaacaga ggaaacaaaa gcaagcagta 167400
aaggactatg aggcacgtgg gtttgtgctg tgtacagccg agcagtcaca gatgcctcac 167460
taaggaggtg gcatggggac taagagtgc tggagttagc catgggaaat tcaggcaaaa 167520
agcaaggaag gtctctctga actgggtgagg aacagcagtc gtcagtcagt attactgtcc 167580
gttatctctc tacactggcc ccaggcagggt gcttttgaat gactggctgt ttgcaaaggg 167640
aagtccagat acagatggcc gaatgagggg ccacgagcct gtgcaggaca tacagataat 167700
ggaacaggaa ccttgcaatg ctgagacctt ctacgtgacg ggtgcttaac agcttttgag 167760
gttaacgggtg ggaatttctg agagaatccc aaagagagct agctgggttgc ttgaggccaa 167820
caagggcaag gcttataagt caggggcacc ccagaaagga ggcacacccc agaaaggagg 167880
cagcttctaa gaaagaggaa aagagagaaa gcaggcaagc ctgagaaatc aggcttgggt 167940
ggcctgaaaa ggcagaccat gatgtgtgtg gtgggaaagc agggcaggac tcctcctcct 168000
tctggaggaa tacatgtgct ggcactggga catccagctt caaccccagg agcccaggcc 168060
cagcatgacc tcctaacgca ctgtttagta gacagggtag agcctttaag aatgggtggct 168120

cgatggaggc cctgtcccat cctccaagat gtctaaaggg ggtgggactg gctaagtccc 168180
 tcctttctctt cctcaccccc tccacatcca acctcctcca aaaacatcaa atattttctt 168240
 ccataaataa ttgcaacagg atgccattgc tttcctcaaa gaaacaatgg cctgattgtg 168300
 ccctgtccga cacggggcca gccccagcac acacaaaggg tggctttcag aagccctgct 168360
 gtagagaatg ggggtacacc tcctttcttc tcttctgtac caagtccact gccctccacc 168420
 aggaaaggac atcaggaagg ggctgctacc acaggaataa ttcccatcag aggacagcta 168480
 tcattcacct gccttttagat tgccctttgg ccacctctag aaagtctctc gttctgggtga 168540
 acagaagagc acctattggc tctaaaatcc aacacacaca cacatacagt tttaggctgg 168600
 agatatctat aatttttttt tctaattttc aaacttattt gaaattgtca ttaattaact 168660
 tttaaaatat ttgaaatcct agcattcagg aggcagagggc tggacaattg cccacattt 168720
 gagggcagtc tgggtatacac tgcaagttta ggtcagccag gcctatgtag tgagctcctg 168780
 tctcaaaaaa aaaatacata agtaaataaa aattataaat agataataaa atagtcccat 168840
 tttacgtgta catcttcagt ttcacaattt gagataaagt gaatacagat attttcattc 168900
 agtatctgtg gtagtgccaa cactggatgc tcacacagggc tcatgcatgt gaacatctgg 168960
 tccccgtggc tggcacagtt tgggaagggt atggaacctt taggaggtgg agtcttgctg 169020
 gaagaagtga gctaagccac tgggtgcaga ctgggaggct gatagctggg cccacttcc 169080
 tgtecgctct cctgtttctt caccceactc cacttcttaa gtacaggaag cgcttcatct 169140
 agcttctctg ccctgccacc acagcatccc agattaattc catggaaact ctaagtcaaa 169200
 ataagccctt tattacttaa gttgtttttg taacactaat caagtgtgtt tcttgggttaa 169260
 aaaggacagg ctggactaaa ggattcaatt tcagcactta aggggctgga gagatgagag 169320
 agcctgctgc tggggctgtg ggctgggata agttgaggcc cgagtttagt tctcagcacc 169380
 catgtttggg tcccaacatt ccatgttcac cccaggcctc caagggcctc cacacacata 169440
 gatataccca ccctgagata ttcgcatgca tataaataaa cataaaataa atatttaaag 169500
 aaccatcac tttgcagcca tggcttgaca aacaggctct ttggtgtctt cctcacatag 169560
 gtgcaagagg aactcaggca ggggtgttga gtttttggat tttgcactta tttatttatt 169620
 tattggtggg actctctgtt tattggggga gttgtggtgg gttgccattt gtaacatttc 169680
 cattaaagat gttaaaaggc tgccttccca ttttcaaaga ctgagactga tcactctccc 169740
 agccagaggc ttctgtcagc tactaaaggg ttcccttccc ttctatttta tggcctttct 169800
 cccatccact tctgctttgt tcttttaatt aaaatgaaat gtaggcctc catggctgag 169860

atgctaataa ggccccctgaa agtcatctgt gagcacatcc actcttgttt aaagagccat 169920
 gtaaacagac cacagacggc tacagagagc aacgctgcac agggcaagga aaagggaaatc 169980
 tggctgcacc gtacagtgtt acgttgaagt gatttatcac ttatgccagg aggaggaact 170040
 gaaacacaaa cgcaatttca agtttaagca tggcgtctcc acaggatctt ccatagcaag 170100
 cactctgcac tcggggggctc cctgtcagga aactcctgga caacgggttg tttgccgtct 170160
 gatccacttc agttacctca ccaaacttc aagagggtact ttctgatgtg tgtgggcttt 170220
 agcgctaggt tgatacaaaa cagtacctgg atctgtactg gaagtcaact atatttgctg 170280
 ccaaatecat tgtaactggc tctgcatgga gccatccgtg tgagagaggc tgatgtgtct 170340
 gccaccactc tgcagacact ggaaacagcg caggaccaat ctgtatccat cgttcctacc 170400
 tgtttctcag tgggtaacat tctcaaagca ttttcagatg aagaatttag tcagacagac 170460
 agacagatgg agacacggat cactggaaga ctgctgtatg gggccacatg gggaaacact 170520
 gggtagtca ggaagacacg gcggtttcta cagggaagt ctgggtgtcc ctttgagtt 170580
 cttgtgtgag aaagtgtcc ccaaggtatc agtgctggga gatacaagtt ttttgggttt 170640
 ttttgtttgt ttgtttgctt gtttgtttgt ttgtttcaag acagggtttc tctgtgtagc 170700
 tctggctgtc ctggaactca ctttgtagac caggctggcc tcgaactcag aaatccgcct 170760
 gtctctgcct cctgagtgtt gggattaaag gcgtgcgcca ccacgcccag gtgggagata 170820
 caagttttta gaggtgggccc tggatagagg ttcttaggcc actgggtacc ctgtcctcag 170880
 agattaaggt aattctcaca agagggctag agaaacgggc caagtgtgac ctctctccac 170940
 atctgcttct tatgtttact tgctctcagg ttctgtcac tgactcgagc aagagcaacc 171000
 cttaccatag ctgcactatg atgtttggac ttcaaaacca aactctggac attaactaag 171060
 atttctcttt ttaaaatcag taatacactg ttgactaaca atgaatgaat gaagcagagt 171120
 aagtaggctg aggatggact ggttcaagtt atcttggcag gcagtgaagt tgggtagtgt 171180
 acggcttccc tggcatgtgg ccctagggag accaggacag aagaatattg acgcagagtg 171240
 tgagaggcca atcaaggaag tgtgggggct gagatatgtg cttctttact acctaggaat 171300
 ctacgagaat ctcttcaggc tcagtcgagg cccccaaac ggcaagcctg tctaagtaca 171360
 ggaaacaggc aagattaata tggaatagtg gcgcaaacca attagctcaa aaatttccac 171420
 aaccccatgt attagccctc tgctcagctc agggagataa tgagaacaca taacggaagc 171480
 tcccagttca ccaatgcaac tggggagcgg ggggggatgg gtacctcaac cactcttaat 171540

gagtctgtag actaagataa cagaatggca gtcttccatc aacatgaggt aaagctagca 171600
tggcacctca gcctttcaaa gttactgttc actgaaatgt tattagaaaa attgccaatt 171660
gtgataaagc ctatggatca aacactactc ccattgcaag gaacattcat aaacagaaaag 171720
ctgttgctcag tccccgaaac ttaaactgta tagagcagag aaaacctgga agagggaagc 171780
gccataatac ggatgagaaa acagggctag gggctcgtaa atggcagatc aggaaggaat 171840
cccatccgcc ttggagttgg tgatcttgta atgttcagag aatggactca tttcaactca 171900
cagggttcggt gtgaccacg tgcttgctga agcaccgtgc ttactgtatg gtgctacaca 171960
agtgaggtct ctcataagct gcagagacac agaaaagtct caagggacag gtgggtgcat 172020
gtgtccaaga cctggctgag cagttaatac gtccaggttg tggcttgctgc tctgcttcat 172080
tagtgtgttg ccagcgacta ggaatgtgac ggctaccacc ttgctgtttg gactcatttc 172140
atggggtaac tgcagcaggc acaggggaatg agctaagaca gacctgggt gagggaggca 172200
gtcatcttc aatgcccgga gagcacaacc tatctgatct gatatactct ccagtttaca 172260
aactactgac aatcacatca agtgaagggc agctgcagcc acagctctcc cttgttcaca 172320
gtttgctttc cttggttcta gttacctgaa ggcaactatg acataacaat attaaatgga 172380
aaattacaga aataaagtag ttccttggcc tcaagttgcc tgccactgga agttacagga 172440
agccatcttg ttgtcctgct ctgtaagggc cctccctttc tgcaacggat ccaggctgta 172500
taccacaacca tcggctagcg acgtcataga gatctgagta gaacaagtgc tgttgttcaa 172560
gtaccctga ctttacttaa cagtgacccc caaacgggaa aaagagtagt gttggcaact 172620
tattacagcc aaaaacatgt tattacaatg ttttttatg actgctgtat tgatactgtt 172680
aattgctggt tataattaag cttcgttata gatacgtatt tataggaatt agcagcatac 172740
atcaggtttg gtggtattta tggtttcagg aatctactac agatctttga aagtatctcc 172800
ctcacaggga gagagactac tgtaccattg ctcttcaatg gtgactccta atactggcat 172860
atagacagct ctgctgacct tttagaagtg ccagagaaca ggcactctgg acacagcgct 172920
gctcttggcc tcgagggatc tgcaagaagg aatggaggga aggatatgtc tctggggacc 172980
agcttctcct ttgaacatgc aggaactaat gagacgcttt ttgaaggagt ccagggtgagt 173040
gacacctatt aaaggtgctt agttaatgct catccccata aacgcccatt acggcgacag 173100
gttcccacta ctgagccgga acgtttgagc tctagatgct cctctgaaga aatggctgaa 173160
aatcaggga gagatgctaa acccaaacac agtagcagtg ctggcaggag atgagccagg 173220
ctggtgagct gttcgtaaac cagctgtccc cgcccccaag actggagagt acagagaatt 173280

```

ccatgcaccc agggtcgtct taagacatga acatgctttc agagctgcat ccctaagaaa 173340
ctcctacaaa cctgctccag accatgaccc tgcaggctct gtctcacccc tgcccttcca 173400
ctcagctgct cctgagttac agcctggcta aaatagcaat gctacatttt ctgccatttg 173460
ggggccactg aggcaaatga tcatgttgaa ggggtaactg gctattcact caaacctctg 173520
cattcctcag tgagaggaca gtctcagagg atcccaccag gatgtgctgg ctctgcatgg 173580
tgggtgtcag aactacattc gatttgcagg taccatatgg tgtttgcggg gctggaaccc 173640
tgcttgtggg tattgaaaat cacgtactgg gagtcaggag cgttgtgagt acaaacattt 173700
cagagtgttg agagtgtttg gtgggggttt aggaacaagg caggctctga cttaccagaa 173760
ctgcagcttt tattctgaag tttcttttaa gaaccaagat taggggctgg agagatggct 173820
cagaggttaa gagcacccga ctgctcttcc gaaggctctg agttcaaate ccagcaacca 173880
catggtggct cacaaccate tgtaatgaga tctgactccc tcttctgggg tgtctgaaga 173940
cagctacggc gtacttacat agaataaata aataaataaa tctttaaaaa aagaaaaaaa 174000
ggaaccaaga ttaggcattt gattcattaa acaggacagg ggatcaaata cctccgttgg 174060
gctctcgaga acatgacagg gtgggggtgtg cagataagaa ggctctagct agggtagctg 174120
gaatccctct ttcaacgatg gcgaagcact ggcacccgta gaaagaagga atgatacgaa 174180
tcagccctct attctgaact atgtccctgc ccagacacag aggcacatgc tgggcctgca 174240
gcaaatagcc ctggagccac actcgtgggtt ggcgtgcaga ggaggaacca acccatcaga 174300
actctgtccg tgtgggtgtg tgtaggtgcc tgtggtgaag gtcagaggtc aactcagggtg 174360
tccaatccag gtcctttttg aacttctage ttagtttgtc aacactggca gctgaattgg 174420
gtttgtttgt ttgttttttg agatgtgac ttgatctgca gccagggctg ggcttgaatt 174480
c 174481

```

```

<210> 7
<211> 5293
<212> DNA
<213> Sus scrofa

```

```

<220>
<221> misc_feature
<222> (3177)..(3178)
<223> n is a, c, g, or t

```

```

<400> 7
aaaggggaatt tcatcccaaa taaaaggaat gaagtctggc tccggaggag ggtccccgac 60

```

ctcgcctgtgg	gggctcctgt	ttttctccgc	cgcgcctctcg	ctctggccga	cgagtggaga	120
aatctgcggg	ccgggcattg	acatccgcaa	cgactaccag	cagctgaagc	gcctggagaa	180
ctgcacggtg	atcgagggct	acctccacat	cctgctcadc	tccaaggctg	aggactaccg	240
cagctaccgc	tttcccaagc	tcacgggtcat	caccgagtag	ctgctgctgt	tccgtgtggc	300
tggccttgag	agccttggcg	acctcttccc	caatctcagc	gtcatccgcg	gctggaagct	360
cttctacaac	tacgccctgg	tcattcttga	gatgaccaac	ctcaaggaca	tcgggctcta	420
caacctgagg	aattattacc	ggggggccat	caggatcgag	aagaatgcyg	acctctgcta	480
cctctctacg	gtggactggg	ccctgatcct	ggatgccgtg	tccaataact	acatcgtggg	540
caacaagccc	cctaaggaat	gcggggactt	gtgccaggcg	acgctggagg	agaagccgct	600
gtgtgagaag	acgaccatca	acaacgagta	caactatcgc	tgctggacca	cgaaccgctg	660
ccagaaaatg	tgcccagagc	tgtgcgggaa	gcgggcgtgc	acagagaacc	acgagtgcctg	720
ccaccccgag	tgccctgggca	gctgcagcgc	acccgacaac	gacacrgcct	gtgtggcctg	780
ccgccactac	tactacgccg	gagtctgcgt	gccagctgc	ccaccaaca	cctaccgctt	840
cgagggtg	cgctgcgtgg	accgcgactt	ttgcgccaac	atccccagtg	cggagagcag	900
tgactccgag	ggctttgtga	tccatgatgg	sgagtgcctg	caggagtgcc	cttcaggctt	960
catccgcaat	ggcagccaga	gcatgtactg	tatcccttgc	gaaggccctt	gccccaaagt	1020
ctgtgaggaa	gagaagaaga	caaagaccat	tgattctgtc	acttctgtct	agatgctcca	1080
aggatgcacc	atcttcaagg	gcaacctgct	cattaacatc	cgacgcggca	acaacattgc	1140
ctcggagcta	gagaacttca	tggggctcat	cgagggtggtg	acgggctacg	tgaagatccg	1200
ccactcccat	gccttgggtct	ccttgtcctt	cctgaaaaat	cttcgccaga	tcctagggga	1260
ggagcagctg	gaggggaatt	actccttcta	cgtccttgac	aaccagaact	tgcagcagct	1320
gtgggactgg	gaccatcgca	acctgaccat	caaagctggg	aaaatgtact	ttgctttcaa	1380
tcccaaattg	tgtgtctccg	agattttaccg	catggaggaa	gtgacaggga	ctaaagggcg	1440
ccagagcaaa	ggggacataa	acaccaggaa	caatggagag	agagcctcct	gtgaaagtga	1500
cgtcctkcac	ttcacctcca	ccaccacgtg	gaagaaccgc	atcatcatca	cctggcaccg	1560
ataccggccc	cctgactaca	gggacctcat	cagcttcaact	gtctactaca	aggaagcgcc	1620
ctttaaaaac	gtcacggagt	atgatgggca	ggatgcctgt	ggctccaaca	gctggaacat	1680
ggtggacgtg	gacctccctc	ccaataagga	cgtcgagcct	ggcattctac	tgcattgggct	1740

gaagccctgg acacagtacg cygtttacgt craggccgtg accctcacca tgggtggagaa	1800
tgaccacatc cgtggggcca agagtgagat cttgtacatt cgcaccaatg cttcagttcc	1860
ttccattccc ctggatgtcc tctcagcatc aaactcctct tctcagctga tagtgaagtg	1920
gaacccgccc tccctgcccc atggcaacct gagctactac atcgtgcggt ggcagcgcca	1980
gcctcaggac agctatctct accggcataa ttactgctcc aaaggtgagg gggacatggg	2040
acacctgtgg ctctgactcc cgagccctat gctacgcatt cagcatcagg ctgctgctgt	2100
gtgcagcctt ggccatggtc acaggtgcta accgyggtgt cytcccgtac cggttgggta	2160
acttggctct ccttgggctg ctcttttcca agcagacaaa atccccatca ggaagtatgc	2220
tgatggcacc attgatgtcg aggaggctac agagaacccc aagactgaag tgtgtggcgg	2280
ggagaaggga ccatgctgtg cttgccccaa aacagaagct gagaagcagg cagagaagga	2340
ggaggctgag taccgcaagg tcttcgagaa cttcctgcac aatgccatct ttgtgcccag	2400
acctgaacgg aagcggaggg aggtcatgca ggtcgccaay accaccatgt ccagccggag	2460
cagaaacacc acagtgggtg acacctacaa tgtcacggac ccagaggagc ttgagacaga	2520
gtaccctttt ttgagagca gagtggataa caaggagaga actgtcattt ccaacctccg	2580
gccttttact ttgtaccgaa ttgacatcca cagctgtaac catgaggctg agaagctggg	2640
ctgcagtgcc tccaactttg tctttgcaag aacctgcct gcaggatatg tgtgatccag	2700
tcactccatt cctaattcac tcacagcctt gatttgtaca gatggaggct gacaccagg	2760
gcaatgacc ttactctcag tcttgcttat taaagaatga gtggtctttt gtaggcagct	2820
cactagtcca gcagcccagg aatggagttc attcatagca accccactct ctccccagtc	2880
tctccataca gagtgcttga gagcagggaa ctcaattcag ggtctacact ttccctctcc	2940
ttggttcatt ttgtgcattg ccgtgggccc ttttttttgc ccatttatgc aaagggaat	3000
ttgccaggtc tctcctgagt tctcagagat tctgtgaaat cctcagttgg ctgccctgaa	3060
tcaaagtgag tgtagctcct gaaggtcagc tcccagagca gtttcgcgtc ctgcttgttt	3120
ggtcctcacc ttcctcttct tttagaagct acctgtggcc cagacagcaa gccatcnnaa	3180
aaaaaaaaa gaaacctact gtgtatgtga ggtcagggtca ggagaaatga acgcagggtac	3240
cgtctgcagt cctgtatgca tggttgaaga gggatttctt aggtttaatc cagcattttt	3300
tgtctttttt gggggacttg agtctaactt cattgcttgt ttcaattgtt gcacagaagg	3360
agcagatgac attcctgggc cagtgcctg ggagccacgg cctgagaact ccatcttttt	3420
aaagtggcca gaacctgaga atcctaattg attgattcta atgtatgaaa taaaatacgg	3480

atcacaagtc	gaggatcagc	gggaatgtgt	gtccagacag	gagtacagga	agtatggagg	3540
ggccaagctg	aacaggctca	acccggggaa	ctacacggcc	cggattcagg	ccacctctct	3600
ctccgggaat	gggtcatgga	cggaacctgt	gttctttctac	gtccaggcca	aaacgacata	3660
tgaaaacttc	atccatctga	tcatcgccct	accagtggcc	gttctgttga	tagtaggagg	3720
gttggttata	atgttgtacg	tcttccacag	aaagagaaat	aacagcaggc	tggggaatgg	3780
agtgctgtat	gcttccgtga	acccggagta	cttcagcgca	gctgatgtgt	acgtgcccga	3840
cgagtgggag	gtcggccggg	agaagatcac	catgagccgg	gagctgggac	agggctcctt	3900
cgggatgggt	tatgaaggcg	tcgccaasgg	ygtgggtcaaa	gatgagcctg	agaccagggt	3960
ggccattaag	acagtgaatg	aggccgccag	catgcgygag	aggattgagt	ttctcaacga	4020
ggcctccgtg	atgaaggagt	tcaactgtca	ccacgtggtg	agggaagggc	ccaaggggtt	4080
gggrccaccc	ttatgggttt	gcgactcatc	ctgtctctgt	aggatcccts	tactgctca	4140
agaaggttgg	gggggatgtg	caggtccagg	gagtctggtg	ccacatcatc	cagggttget	4200
cagggtggtc	ctggtggggt	tggggggctg	cgggggctca	ccccctgtct	ccttctcttt	4260
ccccctcaca	ggtgcggctg	ctgggtgtgg	tgtcccaggg	ccagccaacg	ctggtcatca	4320
tggaaactgat	gacccggggg	gacctcaaaa	gttatctccg	gtctctgaga	ccagaaatgg	4380
agaataatcc	agtcctagca	cctccaagcc	taagcaaaat	gatccagatg	gctggagaga	4440
tygcagatgg	catggcatac	ctcaacgcca	ataagtttgt	ccacagagac	ctcgctgccc	4500
ggaactgyat	ggtggccgaa	gacttcacag	tcaaaatcgg	agattttggg	atgacgagag	4560
acatctatga	gacagactat	taccgcaagg	gagggaaagg	gctgctgcct	gtgcgctgga	4620
tgtcccctga	gtccctcaag	gacggagtct	tcaccacgca	ctctgatgtc	tggtccttcg	4680
gggtcgctct	ctgggagatt	gccacgctgg	ccgagcagcc	ataccagggc	ttgtccaacg	4740
agcaagtcct	tcgcttcgtc	atggagggcg	gccttctgga	caagccggac	aactgtcccc	4800
acatgctgtt	tgavctgatg	cgcattgtgt	ggcagtacaa	ccccaagatg	aggccttcct	4860
tcctggagat	catcagcagc	atcaaggayg	agatggagcc	tggcttccgg	gaggtctcct	4920
tctactacag	tgaggagaac	aagccgcctg	agccggagga	gctggacctg	gagccggaga	4980
acatggagag	cgtccccctg	gacccctcgg	cctcctcgtc	ctccctgccg	ctgcccgaca	5040
gacactcagg	acacaaggct	gagaacggcc	caggccctgg	cgtgctgggt	ctgcgagcca	5100
gcttcgacga	gagacagcct	tacgcgcaca	tgaacggggg	ccgcaagaac	gagcggggcc	5160

tgcctctgcc ccagtcctcg acctgctgat cctggatccc gatcccgctgc aaacagtacc 5220
 gtgcgcacgc gggcggggcgg ggggagagtt ttaacaatct attcacaagc ctctgtacc 5280
 tcagtggatc ttc 5293

<210> 8
 <211> 22
 <212> DNA
 <213> Mus musculus

<400> 8
 ggagatcatc ggcagcatca ag 22

<210> 9
 <211> 21
 <212> DNA
 <213> Mus musculus

<400> 9
 gccattctca gccttggtgc c 21

<210> 10
 <211> 21
 <212> DNA
 <213> Mus musculus

<400> 10
 gcatgtgctg gcagtataac c 21

<210> 11
 <211> 21
 <212> DNA
 <213> Mus musculus

<400> 11
 cagaggccca tgtcagttaa g 21

<210> 12
 <211> 21
 <212> DNA
 <213> Mus musculus

<400> 12
 agagtggcca tcaagacggt a 21

<210> 13
 <211> 19
 <212> DNA
 <213> Mus musculus

<400> 13 ggcctcagag accggagat	19
<210> 14 <211> 20 <212> DNA <213> Sus scrofa	
<400> 14 cctccgtgat gaaggagttc	20
<210> 15 <211> 20 <212> DNA <213> Sus scrofa	
<400> 15 tcagttccat gatgaccagc	20
<210> 16 <211> 20 <212> DNA <213> Sus scrofa	
<400> 16 cctccgtgat gaaggagttc	20
<210> 17 <211> 20 <212> DNA	
<400> 17 tcagttccat gatgaccagc	20
<210> 18 <211> 19 <212> DNA <213> Sus scrofa	
<400> 18 ggagtatgat gggcaggat	19
<210> 19 <211> 20 <212> DNA <213> Sus scrofa	
<400> 19 gaagcattgg tgcgaatgta	20

<210> 20
<211> 12
<212> DNA
<213> Mus musculus

<400> 20
tggagatgga gc

12

<210> 21
<211> 17
<212> DNA
<213> Sus scrofa

<400> 21
aagatgaggc cttcctt

17

<210> 22
<211> 20
<212> DNA
<213> Sus scrofa

<400> 22
gatcagcagg tcgaggactg

20